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<213> Glycine max

<223> Clone ID: 700952117H1

<400> 22753

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cgtgccagga ttcggttgat taatcaggac aagaacaaat ataacactcc gaaataccga 180
tttgtgggtc gcttttagcaa caaggacatt gttgcacagg taatatctgc gagcattgcc 240
ggcgatttag ttcttgctac agca 264

<210> 22754
<211> 260
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<213> Glycine max

<223> Clone ID: 700952118H1

<400> 22754

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aaagtggtag tggatgcagc taatgggggtt ggtggagtga aacttaaata tttagggaaa 180
ttgttgaatg gtttgattat tgagggttcg aacagcagtg aagatggagg tgtactgaat 240
gatggagtgt gtgctgatta 260

<210> 22755
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952120H1

<400> 22755

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ggaactctcg ccgcggcg atcctccgtc ttcagaccag acgaccccg cggaggcgaa 180

cgcgctggtg aaccgctgct ccggctgcag gagtaatgtc ggactcaccg gatttcggtg 240
cagatgcggc gagctctt 258

<210> 22756
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<212> DNA
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<223> Clone ID: 700952121H1

<400> 22756

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gggtgcgtttc atccgccagg aagctgagga gaaagccaac gagatctctg tatctgccga 180
agaggaattc aatatcgaga agctgcagtt gggtgaagcc gaaaagaaga agatcaggca 240
agaatacgaa cgcaaag 257

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<223> Clone ID: 700952122H1

<400> 22757

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atctggagtt tgattttctt tagagagagg gtagagacaa tatattgatt gcaaattggtt 180
tctgttaaga gggggaggaa ctgtttttca atgtttcagg aacagatatg atgaggaatt 240
gtatgtttgt ttt 253

<210> 22758
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952124H1

<400> 22758

003443-03300

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atgctccgat ggtacttttg ctagagctgc tgttccaagt ggtgcatcca ctgggattta 180
tgaggccctt gaattgagag atggaggatc tgactacctt ggaaagggtg tatcaaaggc 240
tgttgacaat gtga 254

<210> 22759
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<212> DNA
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<223> Clone ID: 700952126H1

<400> 22759
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catctccggt gctatatccc gccacctctc ctccactgc acctcttgct cctggagat 180
tccttccgcc gactccgatt ctctcccttc ctcttctacc tgcgtctcca gttccgagtc 240
ttgctctacg a 251

<210> 22760
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952128H1

<400> 22760
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taagattttt cccatctttc tcgtgatata gttcttctgg ctccaaagcc aataaaggca 180
accacaacct tcaacttcaa cagcacttga tcacattcac tgtctagtga tccaccttca 240
cttcccgttt cca 253

<210> 22761
<211> 247

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952129H1

 <400> 22761

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 aggtggcttg cagcatcata agggtaggca tggttaagcat ggctcgatcata tgtctgctcg 180
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 cggtccc 247

<210> 22762
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 <213> Glycine max

 <223> Clone ID: 700952130H1

 <400> 22762

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 aagacctggt cttctcctac taggtgcatt ttttattgct cagttgggtgg caacttttat 180
 agcagtgtat gctaactggg gctttgcaag aataaaggga atgggatggg gttgggctgg 240
 tgtaatc 247

<210> 22763
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 <212> DNA
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 <223> Clone ID: 700952131H1

 <400> 22763

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 tctcgctccc tctcgtcgc cggaaaatgg cagcacaacc aactccgccg cctcaacatc 180
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250

<213> Glycine max

<400> 22764

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<213> Glycine max

<400>	22765
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<213> Glycine max

<400> 22766

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 tttattactt ttcaaaattt tctttgctgc tcagaatcag ggaaaagggtg gatttttgat 240
 ttttaaaaaa aagttttgtt t 261

<210> 22767
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952135H1

<400> 22767

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 gcgccactat gaggttatgt acttaattca tgagaagcat gaagaggagg ttgtagctgt 180
 caatgagaaa attcaagact ttttgaggga gaagaaaggt caggtttgga gattgaatga 240
 ttcgggtatg aga 253

<210> 22768
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 <212> DNA
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<223> Clone ID: 700952136H1

<400> 22768

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 aactggcta tggtgcccgt actccggagg tgaaatgcgc aagttggagg cttgctgtgg 180
 aagcacacaa catctttggc tttgagacca ttcctgaaga gtgcgttgaa gcaacaaagg 240
 aatacatcca tggcgaa 257

<210> 22769
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952138H1

<210> 22772
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 <212> DNA
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 <223> Clone ID: 700952073H1

 <400> 22772

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 accttcacaa gttgggtgca aatcctcatc gtgatctgca tgaactagcc cagaaatatg 180
 gacctgtcat gtacttgccg ttaggatttg tgccagccat aattgtttct tcacccaag 240
 cagtgaactg tt 252

<210> 22773
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 <212> DNA
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 <223> Clone ID: 700952074H1

 <400> 22773

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 ctaatggatg actttctgga ggtggagaaa ttgggtcggg tatcaaata tttcagtggaa 180
 gtttcagtta cttcaaaca tatggcaaata gaaactgtga ccaatgatgt atcagaggta 240
 gtactgag 248

<210> 22774
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952075H1

 <400> 22774

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 gattattaaa ctatatTTTT aattcaattg ctactgctgg cattgtactc atgtgtttaa 120
 atatttttgt agtgtattgg agccacaaca ttagacgagt ataggaagca cattgaaaaa 180

gatcctgctt tggagagacg attccagcca gttaaagtgc cagagccaac tgtagatgaa 240
ccatacaa 248

<210> 22775
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952076H1

<400> 22775

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ctggcatagc tgcagctact cattctcgtg ggttgacgt gtacacgctc cccgatctgg 180
attacgacta tggcgtctctg gagccagcca tcagcggcga aatcatgcag ctgcaccaca 240
gaagca 246

<210> 22776
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700952077H1

<400> 22776

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gtattcttga gaaacaaaag tgaaaactca ccaactccacg ggcaaacactg gtatacaagt 180
aattggggag taagtaatta tgggatgaca tctcttgaat ctcaatgaaa tgtaaaccct 240
gcata 245

<210> 22777
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952078H1

<400> 22777

00230-ETFE560

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952081H1

 <400> 22780

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 acaaaaggca atggatctca gagagggtca aactcaacca atcttggatc ctaaccaacc 120
 atctcatgtg tatcatctgg ctttggatat tggaggatct ctcgccaagt tagtatactt 180
 cacaaaagat gatgatcatt tggttgatgg cgaggaaggg atatctcata gaaaggcttt 240
 ggagaatccg aca 253

<210> 22781
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952082H1

 <400> 22781

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 gcagtatctt cctctttttg gtcaacccat tgctttgtat agtttccaca ctttttttca 180
 cctggttcaa gtcaaagaaa ttattgtggt ttgtgatcct tcatacaagg acatttttga 240
 aatgca 246

<210> 22782
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952083H1

 <400> 22782

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 taagcttggc aggtctagta tgtgttatat acataataat aataatatat aataaaaaact 180
 tgcattgttac ccatt 195

<210> 22783
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952085H1

 <400> 22783

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 tctcgggctc aaccacctaa gcccgctctc gattttctcag atccaggccc agatcgaggc 180
 ccaacagagc caaaaccaga acccacactc tctcaacttt ctcggcccca agcccgtccc 240
 aataagcacg t 251

<210> 22784
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 <212> DNA
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 <223> Clone ID: 700952086H1

 <400> 22784

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 ttataaggag tttgttttat aataaaaata acgactcact tatcacagtc tctgtctatg 120
 catcagacaa ttacagttct ttaaaatgcc gaagtacaag gattgaatat ataaggaggg 180
 ttaaaccgga tgctggcttt gctctttttg aatccgagtc attaaagtgg ccagggttttg 240
 tgagttcgat 250

<210> 22785
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952087H1

 <400> 22785

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aaagctttcc ggtgctgggg agcctagggg tagggtttct gagagatgtg ggatgttcca 180
 tgcattgatg agccttatcg cgcgctgttg gaagccgttc gggcacggtg acgacgccgt 240
 aatgccgc 248

<210> 22786
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 <212> DNA
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<223> Clone ID: 700952089H1

<400> 22786

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 aaaattcaat attttgcattg gaagccagag aaggtattag ttctgggggt acagtgatag 180
 gggcagaagc tccatcagct taccatgttg ctccgaggag tgaagctcca aaccagggtc 240
 tgtccctg 248

<210> 22787
 <211> 246
 <212> DNA
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<223> Clone ID: 700952090H1

<400> 22787

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 agatttatcg aattgatcac tacttaggaa aggaacttgt gcagaatatg ttagtacttc 180
 gttttgcaaa ccgattattc atgcctctat ggaaccgtga caacattgct aatgtgcat 240
 cgtttt 246

<210> 22788
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952091H1

<400> 22788

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gcatctgaag aggcttaatg ccccaaagca ttggatgctt gacaaactgg gtggtgcatt 120
tgctcctaag ccctcatctg gaccacacaa atcgagggaa tgcttgccac tcataactcat 180
tttgcgaaac cggctgaagt atgctctaac ataccgtgaa gtcattgcta ttctgatgag 240
cgacatg 247

<210> 22789

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700952092H1

<400> 22789

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gatggtgcaa catcagatac atggatcatgt ggtgttatat tgtatgtaag cctaacagga 180
tacttacctt ttgatgatag aaatcttgta gttctctatc agaaggtata ttcatatttg 240
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<210> 22790

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952093H1

<400> 22790

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cacagctccc tctctcttac tcgcgcttcc gttctctcta tcaactaccgc ttcgaccact 180
gagctggacg ctgtgtcttc cttcagcgag atcggtcccg acaccgtcgt ttctgatgat 240
tcgaaaa 247

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<210> 22791
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952094H1

 <400> 22791

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 ggccatcaag gccaaaaacg gcggtgtttt gcccctccac gatcccaagc ccaaaccgga 180
 ggccccggcc cagaagccgc ccaagttcta cccggccgat gacgtgaaga agcccctcgc 240
 aacaagc 247

<210> 22792
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952095H1

 <400> 22792

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 ttttcataat cagaagattc agcttttatt aatgcaagaa cgtccttaat tgatgatttt 180
 ataaccgtaa attaggtcta attagagttt ttttcataaa gattttcaga tccggtttaca 240
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<210> 22793
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 <212> DNA
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 <223> Clone ID: 700952096H1

 <400> 22793

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<400> 22799

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 cattcggttcc taatcctttc aaactctcgg ttctcccatc ttaacttgt ttaagctgct 180
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<210> 22800

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952046H1

<400> 22800

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 acttggaatc gacgaggtcg tctacaccgt tgatctcagg aaaggagagg tcaccaaagg 180
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<210> 22801

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700952047H1

<400> 22801

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 aacctcttat ggtacggcag cttcacccca atccaacgct ccataatcct cgacttcatt 180
 aactcgtaa gttccaccgc gggggcccca cttccctcgg tagcatcgtg gtggaagacc 240
 acggaaagta ca 252

<210> 22802
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952048H1

 <400> 22802

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 tggtcattgc aaacagttgg ctccaatatt ggacgaattg ctatctcata tcaaagtgat 180
 gctgatgttg ttattgcaaa actggatgca actgccaacg atatcccaag tgaaaccttt 240
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<210> 22803
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952049H1

 <400> 22803

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 ggggatctag ataagcttct aaccaggtca aagccacaga tgcttcatct actcgactca 180
 attatcaact ccttgtgcc a ggttccaccg ttcgtgttct atctggaaca ttttcagggt 240
 ttacaggacc ctcaag 256

<210> 22804
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952050H1

 <400> 22804

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 cattgataat ttccaccaag cctttcccat cgttgaacct gatcctggtc acacaaaact 180

tcgtctttca agagaagggtt tggaggctat tgagaaaata accaacccca ttgcagcagt 240
ggcaggattg gg 252

<210> 22805
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952051H1

<400> 22805

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tgggatgag 249

<210> 22806
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952052H1

<400> 22806

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aagtcttgca gg 252

<210> 22807
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952053H1

<400> 22807

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tattttcgca tatgaattgc tactttcacc ctttgtttcg tgtagtttag ggttggtgat 180
tttgagagtg gctttgattt aattctagca ctagttgcag agagctgcat ggtgaataca 240
aaacgatggt tca 253

<210> 22808
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952054H1

<400> 22808

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tccagaccaa caggcaattc taccgcaact gcgtgatctc tggcacagtg gacttcatct 120
ttggcacctc cccaccgtg atccagcact cagtgatcat cgtgaggaag cccttgga 180
accagttcaa cagcatcacc gccgacgga catccatgaa gaacatggat acaggaatcg 240
tgaccagggt tg 252

<210> 22809
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700952056H1

<400> 22809

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gtgatccagg gttgcaacat cgtcccagaa gccgaacttt tccctacaag gttccaagtg 180
aagtcatacc ttggaaggcc atggaagcaa ttctcaagga cggttgtgat ggaatccacc 240
gtggtgactt 250

<210> 22810
<211> 250

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952057H1

 <400> 22810

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 atagaagctt tgatcctcac tacatggaag atttggttac tgatagacag aggtcacaag 180
 gtccaagccg ggtaagatc gtggtggtgc cagggttcta tgttcaggat atgatcttga 240
 ggtagagtt 250

<210> 22811
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952059H1

 <400> 22811

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 aaatcaggtc ataattataa gagcatgatg gttccatccg attggatgtg cactatatgt 180
 ggctacataa attttgcacg ccggacttcc tgctatcagt gtaatgagcc acgaactgat 240
 atgccc 246

<210> 22812
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952060H1

 <400> 22812

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 gtgaaagggg tcaaagggcg tttgaaccgt ctcccctcgg cttgcgttgg cgacatggtg 180
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ttcgcca

247

<210> 22813
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700952061H1

<400> 22813

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gaaggagatg ctcaaggaat ccccgagct gaaccgctac gaggagccca ccgactccga 180
cgacgactcc gacgaggaaa ccaaggacga ggcggacaag aagatgagtg acttcgagaa 240
aaaagagac 249

<210> 22814
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 700952062H1

<400> 22814

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atctcggtcc ctttcacaac tcaaacaatt cccaaaatcc cacccttgtc ccctctggtc 180
ctcctc 186

<210> 22815
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700952063H1

<400> 22815

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atggccccaa taccaaacat gctttcgatt gggctctggt tcacctttgc aggctcgctg 180
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 cccaggtctt atgga 255

<210> 22816
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952064H1
 <400> 22816

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 ccgatgttat tgttgcagtt ggacaaacca atttttctct ccacaagttt attctggcgg 180
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 tagagtttcc gac 253

<210> 22817
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952065H1
 <400> 22817

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 gccaccaaac gttcatcag ttccagcagt tttagcgttt ggagattcca tcgtggacct 180
 aggcaacaac aacaacataa aaacattgat caagtgcaac ttcccacctt atggaaagga 240
 ttttcaggag gaaa 254

<210> 22818
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952066H1

<210> 22821
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952069H1

 <400> 22821

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 cagtcccaac cttcatggat tctcactcac acatcattgc ttggggctct ggtgaagatg 120
 gtcagctagg aatcgggaagc aacgaagaga aagaatgggt ctgcctcgtc aaagccctcc 180
 agccccaccg tattegctcc gtcgtcgccg gcagcagaaa ctccctcgcc atcgctgacg 240
 acggaaattg ttca 254

<210> 22822
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952043H1

 <400> 22822

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 aaggaagga ggggtggtgtg tcattaattt gtgtcaagta ttttggtttt gctttccccc 180
 ttgttagcca ttggtgttgc acaattggca ttaaggttct attatcacat atgccaaact 240
 tacctttgaa 250

<210> 22823
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952070H1

 <400> 22823

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 gtgagagctg gtcgagaagg agcaataggt ctaggtcaag gtgatggcgt agccaaggac 120

00330-ETEE60

agcactgaga ctgaactcac caaaatccgt ctctcaggg caattgttga aaccctgat 180
 ccctcttcca aggaagagga tgattttatg attagaagat tctgcgtgc tcgtgattta 240
 gattagagaa gg 252

<210> 22824
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952013H1
 <400> 22824

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 ccaagtgctt tcttcgtttt catggaggaa ttcaggaagg tgttcaacaa ggaacatccc 180
 gacaacaaag cagtgtctgc tgtgggcaaa gctgctggag caaatggaa gacgatgtct 240
 gatgcaaaa agca 254

<210> 22825
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952014H1
 <400> 22825

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 caagagcttc tagcattgtg atgttgattg catatgtagt ctacattgtc tttcaactgt 120
 ggacacacag gcagttatct gaagccgaag atgaggggtga ggatgggtgag gacgggtgaag 180
 aagaacaagc tgtgattgga ttatggagtg gcattgcttg gttggtaggg atgactgtgt 240
 tcattgctgt gttg 254

<210> 22826
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952015H1

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700952018H1

<400> 22829

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accctgacat ccgccgccca cctccccctt gctgaacttg gttctgtacc tcttctcggc 120
ggggttctcg ctccatca tctaaaagtt gaggccttta tgggtgttgg gtctgctcgga 180
gggtgcagca gaataggcat aagggctaga agcatgtgcg gcgccgaagc gtggtagggt 240
ggcacgtcga gattgg 256

<210> 22830
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952019H1

<400> 22830

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catctccct ccatgcttca gcatgtgtgg cgggggatag cgctgcttat caaaggacat 180
cgacattcgg ggacgatgtt gtgatcgtgg ctgcttatcg gactgctcat tgcaaagcta 240
aacgaggggt ttca 254

<210> 22831
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700952020H1

<400> 22831

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gagactaaac agagttcggg gacggttacg ctgattacg gcgcgttgac gtgcgccgcg 120
gaatttctcg cgactttgct agcttctgct gtcgtcaaag cctcgctttt ggccccggat 180

ctctaccggc tgctattgat caacacgcct actgocaaag gagagagcaa aattcagagt 240
gaagacagca acgtga 256

<210> 22832
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700952021H1

<400> 22832

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aagatgggta aggaaaagggt tcacatcagt attgtgggta ttggccatgt tgactctggg 120
aagtccacta ccactggcca cctgatctac aagcttggag gcattgacaa gcgtgttatt 180
gagagatttg agaaggaagc tgctgagatg aacaagaggt ctttcaagta tgcttgggtg 240
cttgatagct taagg 255

<210> 22833
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952022H1

<400> 22833

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gcaccgttct ccgtcagggtc agctacgtct ccggctatgg gaccacacag cgggtcccgcg 120
gcctggctcc tcgttttggg gtgaggatgg ggatgggttc tggtttctgt gacgaggggc 180
atctgcggta ttaccaggac accaaaaagg ttctcaccac aaagaagaag ttgaagctgc 240
tcaaggtttc tcca 254

<210> 22834
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952027H1

<400> 22834

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 tttttgtttt gtagttattt atccgagttg ttattggaag gcttactcca aattagctga 180
 tttgattatt aaagtgttaa ttcactgggg gtgaaatctt tgtaagaggt tgaagaacct 240
 gggtccgggt att 253

<210> 22835
 <211> 252
 <212> DNA
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<223> Clone ID: 700952028H1

<400> 22835

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 ttagagcaat tcaactcatga gatggaaccc tttctcagga agcaaggcat gcctgttcgg 180
 ttaaataaag gagttgtgga gcttgtttcg gattttgttg tttgcgacga aggaaagcct 240
 ttgtcacaga gg 252

<210> 22836
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952029H1

<400> 22836

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 gattgagcgg tgtgcaagag ttgttcttaa tctcctaata cctgaattca atttctatgg 180
 ataaaaagaa aattaatggt gccgagtgtt gagagtaaag tagaatagtt aataaattgg 240
 atgcataaca ga 252

<210> 22837
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700952030H1

<400> 22837

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aacatcatct cctttggagt gttccttgct ccattgccaa ccttttacca aatctacaag 180
aagaaatcca ctgaagggtt ccagtcactt ccttatgttg ttgcactggt cagtgcaatg 240
ctttgattta cta 253

<210> 22838

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952031H1

<400> 22838

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acaataatgg aagggatgaa gcttaaaagg tggctcgtga gtgttttggt cctcattggt 180
gccacagtga gcaatgcagc aggtgcattt gtgggggtaac acattggcac tgatgttact 240
gatcttcata tgc 253

<210> 22839

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952032H1

<400> 22839

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catatcatat cttctcaaca gaaaaataaa aataaaaatg agatacatcc ttggagaaca 120
caacattctg ttctcaaaa gcttcgcctt cagcatatta ttcttagtt gcatagccat 180
tcggcttaac ttgtgtcttt ccagcatccc ttcttcaactg aaatcaattc cccttgaagg 240

<210> 22848
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952012H1

 <400> 22848

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 tgcacaagct cttgtatcat catcttctct taccttctca gcgaggctg caagacaaag 120
 tcttggacca agatcactcc aatctccatt tggcttctcc agaaaagcct cttttcttgt 180
 taaggcagct gctaccccc ctgtcaagca aggatcagac agacctttgt ggtttgcac 240
 aaagcaagtc tttc 254

<210> 22849
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951965H1

 <400> 22849

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 cttcttgggt taacacttgc agtacaacca tagaaaagag acctcactta attccaggaa 180
 ctcttcatc taaaggggat ctctgcacct acatgatcga cataccacct cttggcgact 240
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<210> 22850
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951966H1

 <400> 22850

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gggcaattgt cactgcttat ggacccgaac ctgggtgatc tatccatgac caggatgaag 180
 cttgggtgaa actaagtga ggtccgaacc gactgatggt gaagaatcag cggatgagtt 240
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<210> 22851
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951969H1
 <400> 22851

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 cacaccaagt tcccagaaga atggatcact cttgggaagc aaaaagctt cttttcttag 180
 tgggaggaaa ctgaaggatga acaactttac agcaccagtt ggagcacgat ccagcactac 240
 agtttgcgca gttgctga 258

<210> 22852
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951973H1
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 cggactaccc agaacgtgaa cgggtccaag aagagtgtgg tgggtggggc cgtagggga 180
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<210> 22853
 <211> 258
 <212> DNA
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 <223> Clone ID: 700951974H1

<400> 22853

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ttcactgctt atcctagcag cagattttgg gttctgaccc aattattcat tttccccaac 180

tgggtcctgt ggattttttg ttggggtttt aaatttcgtg ttgctggggt ttgaaagtta 240

tttcctttct tccccgtc 258

<210> 22854

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<212> DNA

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<223> Clone ID: 700951975H1

<400> 22854

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tttcacaatt ccttaatgca aatatgaaga agcccaaggt ggtttctggt gatgatgatt 120

taccaaagag agatgatatt ggtgaaaggc gaaggaaaca cgagcttcgg gtgttggtcg 180

gtgctggaat taggactgag gatgatgatg gtgatgatca gatgactgat cttggaccta 240

atgaggttac cgatgaa 257

<210> 22855

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700951977H1

<400> 22855

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ccatgaagga gacgctccgt gcgcaac 87

<210> 22856

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700951978H1

<211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951981H1
 <400> 22859
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 aggaacgaaa gggggcccg tttggaccg aaccggctgc aacttcgacg gttcggggcg 240
 cggtggatgc cagaccggtg 260

<210> 22860
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951982H1
 <400> 22860
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 agactaagag aactgatttg acggacgatg agaatgctct tctacagcag gcccttgcaa 180
 tgtcaatgga tgatcccaca attaaccatg aagtgaagaga tacagatatg tctgaagcag 240
 ctgctgaaga tcccagag 257

<210> 22861
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951983H1
 <400> 22861
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ttgggtcgat ccaccggctt ttgaagtcaa ggacaaccgc taatggtaga gttggggcca 240
cagctgctgc tactctgc 258

<210> 22873
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951964H1

<400> 22873

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gagaggaaag aagcagcttc catttctgtt ggggtgtccca atcctagaaa agcttgctgc 180
acctatagct cccttttttg ttggtcagac aggtagtcag ttattcctta ctgatggtaa 240
acctgacaaa cctcctctcc tat 263

<210> 22874
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952011H1

<400> 22874

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gtacgacagc gcccacgcgg acaaggccgc cacgatgcgc accgaggagg agctgatgtc 180
catgtacgag cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga 240
gaaggcttcc a 251

<210> 22875
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951931H1

<400> 22875

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261

<210> 22881
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700951939H1

<400> 22881

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aagaggtatt tacaatattg tcgaactcaa tgccaccctc gtctatctga atcagcaaca 180
acattattgc agaatcatta tgtgaaaatc agacaggata tgagacaaca agcgaatgaa 240
actggagaag ctgcagcaat ac 262

<210> 22882
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700951940H1

<400> 22882

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ggacaaagta tgttgactac aatcttgtgt atttacgaga atgcaacatc aatccataga 120
aggatctggt ggcattgtga gggcatgaaa tttattttaa gcttttatga ttatttttta 180
tacattttcc tccctgtatg gaaaaagatc ccaagccaaa atcacgagta tgaaatgtgn 240
tcgttcgttt cctttggctg t 261

<210> 22883
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700951942H1

<400> 22883

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<400> 22889
gagaacaaag cacttagtgc tattcaataa ttacgaaaaa ccaacagcga gtgttggttt 60
tggttggtcc aggctggacc agggaaatgaa tagagatgag aggctttcgg ttgaagagaa 120
ctgagttaag cggcgaagcc aaacgcagaa tcggcggcag aaattgccac cggaagcacg 180
tcgaagacgg gtgaaccaa cacaaaattc catccaccac ttctcttttc aatccccaac 240
tcaaattctgt gaagaaaatc t 261

<210> 22890
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700951952H1

<400> 22890
tgcaaagtaa atgttatgaa tgtgtgtctt ctatattgat gacactgaaa aaagagctgg 60
atagtttata tgccccaaca gaaaatggcg aggtgccaac agcggttact gttgaaaaat 120
ctcttttcat tggacgatta ttgtttgcat tccaaaatca ttctaaacat atacccttga 180
tacttggttc tcccagattt tgggttaatg ggaatgcac tcgagttggg aaattaccag 240
ctctggtaaa acaatctcg 259

<210> 22891
<211> 86
<212> DNA
<213> Glycine max
<223> Clone ID: 700951954H1

<400> 22891
ccttatctca cccttctttg actgttctcc cacaccacac ccatgagact cctcctgctc 60
cttattctcc tctttcacgc ggcgga 86

<210> 22892
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700951955H1

<400> 22892
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 gttctgactc acttggttcag agttatgatg tgattctaaa acccaatggt tcaatggaca 120
 catgcaatgt gtttgaagga agttgggtga gggatgatag ctaccctttg tatgatgctt 180
 ctactgccc ttttgttgaa aggggtttca attgccttgc taatgggaga gcagatagag 240
 attacacaaa atggaggtg 259

<210> 22893
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951956H1

<400> 22893
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 agacctggat tgtaattaat gacgtcggtg catcatgacg ttaccatag tgtagcttgg 120
 ttgttatgat tgtacgaata tgtgcagcag aatgcatatt acaattcaca atacgattga 180
 atc 183

<210> 22894
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951958H1

<400> 22894
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 ttgtttcggg tgtattgcag ctctgacacg gaatggatgc tgcctgagct tttattcagt 120
 tttagtgttg ttgttgatct tagtggagct gggatgtgca gcctttatat tttttgacaa 180
 aagctggaaa gaagaaattc ctaaggacaa aactggagat tttgatatga tatatgaatt 240
 tctgagagag aactgga 257

<210> 22895
 <211> 258

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700951959H1
 <400> 22895
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 tctcaaaatc tcaatggccg ataatgagca accgaataac gaggaggcaa gtcctcttct 120
 ccaccagccc catccccaac ccaaattccga accaccaacg ccacctgaga ctcccagatt 180
 tctcctcggc tggaccgctg atgggctccc tctggccac gccagcgctg tgggccagcc 240
 catgggccgc gcccttg 258

<210> 22896
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951960H1
 <400> 22896
 tggtaaaatg ttgttttata agttgtgtac aatgcatttt ctgtgcaatg attttgattt 60
 ttaaattgct ttattgattt attatgtata aatacataat cattcaatta tatagaatat 120
 atttttgcct ttgcattatt tttaattatg tataaatata ttatttctaa attatttgac 180
 ttgggttttta catgttacat ataaacctgt gtaggtgaaa tccataccat tcagtggaaac 240
 tggcaagcac aaatacagt 259

<210> 22897
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951961H1
 <400> 22897
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 aaaggggtca cttttcagat ccgagattga gtccttttac ccatcatcat catggagctc 120
 ctcgggtacc tgaatcaggg tcacccttct agaggaacaa cacttggtat tactctttca 180
 ttgggtgctt cgacattgt gtccttctcc actttcacac atgccttctc ttcttctgcg 240

tttccggaac tgaatcctat

260

<210> 22898
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951930H1

<400> 22898

ggaaagatga tattgcagtt cttcgtgctt tcacagagag gcgataacat cgtctaccgc 60
gactatcgtg gtgaagctca aaaaggaagc gctgagacat ttttccgaaa agtaaagtgc 120
tggaagaag atgctgaggg agatgctcca cctgttttta atatagacgg tgtgaactac 180
ttccacgtaa aggttgctgg attgctatct gttgctacta ctagagtcaa tgtctcccct 240
tctcttgttt tggaactttt aca 263

<210> 22899
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700951962H1

<400> 22899

cgagaatggg tttatcactc ttacgggtggg ttctgccgct gactctgttg ctcacctgcg 60
ccctaggttt ccaatcggac gagcttctcc tcgacgacga agagttcggc atcgaaggag 120
gacgaacctc ctttgattcc gattcgcac cacttccac cgctccacc tcgaggaaga 180
ggctttccga ctctcctcc gattccaaga tccagttccc tctccaacac gctttcggcg 240
actccgattt ctccgacgcc g 261

<210> 22900
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700951963H1

<400> 22900

gtaagctccc aagcagtggg aggaggctcg ggactctgac cgcgtgctg ttgaagaatg 60

agccggcgac tcataggcag tggcttggtt aagggaaacc accggagccg tagcgaaagc 120
gagtcttcac agggcaattg tcaactgctta tggacccgaa cctgggtgat ctatccatga 180
ccaggatgaa gcttgggtga aactaagtgg aggtccgaac cgactgatgt tgaagaatca 240
gcggatgagt tgtggtt 257

<210> 22901
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700951902H1

<400> 22901

agagagagga gcacaccatc gacaacatcc tacacatgca gcttcacaga gaccccaatg 60
tcttgtttgt cggatacaag cttcctctcc tcttcaatac aaaattattg tcagggttag 120
cgtcttttcc ttattactac tattgctgcc ttctttcaat ttcattggaat agttcagggt 180
tttgttctaa gctatttcga gcatatagtt agttagggtt aaagaataag acccaaatcc 240
tacttttatt tggaataaat gtggattgca 270

<210> 22902
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700951903H1

<400> 22902

catttgctgg tgagaggtga ccccatctct cttttatctc tctcttccaa aaagcaccga 60
tttttgcgca cgccaacgag aatcgcggaag agggcttcac cgagaacaaa aaatgggtgt 120
ttgtgggtcg agggccaaag tgaacgaaga agacctctca tcaaagaaga agaacaacaa 180
caacaacaat catcgaagaa gaagaaggag aatcctcaga agacgggtat cttctagaaa 240
gatcgaagcc aacaacgttt ctactc 267

<210> 22903
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951904H1

<400> 22903

cgccggggcc attgtttaca ttaagataga ccttgcggtg caaacaacta tggaagggt 60
tgtggtggcc atgtccctga ttggagcaac ggtaatcacc acatgctctg gtcctatagc 120
ggattggctc ggtcggcgac ccatgatgat aatctcatct gtgctctatt tcttgggtgg 180
tttggatgat ctgtgggtccc caaatgtgta tgtgttgtgc ttggcgaggc tacttgatgg 240
atttgggatt ggccttgctg tga 263

<210> 22904

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700951905H1

<400> 22904

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ggattgcgcc cgctcacgaa gggatggaat tgggtattgg cgacacttcc atcgtcaagg 120
cgcttgctga ggcgtacgga aggaccgagg tgtggattaa gactcagtat cagaaaaaag 180
gggatttggg cttggttgct aaagagagac gtacctcgca acctatgatg tttaagcccg 240
aagacattga ctattacgaa 260

<210> 22905

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700951906H1

<400> 22905

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taagcaggtg atgctgattg agagggcact caaagatgag cctgatatgc agcgaaatgc 120
agcttcactt caatcatggg ctgataaatt aagtgggcat ggttccgagg ttacatcttc 180
acagcttaaa aattggttga acaatcgaaa agctaggcta gctcgcacag ctagggatgt 240
taaagcagca gcaggtgatg ac 262

<210> 22906
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951907H1

<400> 22906

gtcattgaag gctctctccc accgtctctc gacggcgcct acatccgaaa cggccccaac 60
 cccagttcc tcccgcgtgg gccctaccac ctcttcgacg gcgacggcat gctccacgcg 120
 ctctgcatct cccatggcaa aaaacccacg ctctgcagcc gctacgttaa aacctacaaa 180
 tacaccatgg aaaacgacgc cggtttcctt ctcatcccca acgtgttctc cggcttcaac 240
 tccctcgtgg cctccgcggc acg 263

<210> 22907
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951908H1

<400> 22907

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 cggagttggg tgagtcgaat tcatggcttt cagtgaagaa gcagtcgggt gcggcaccca 120
 acaccaattt ggatcgcgtc ctcttcaacg acctcgtcga gattgtccct ctcgttcagt 180
 cactcatcga tcgtaaagca agccgttcat tcacgcggcg tggttccatg atctacacca 240
 agacaccac cagagaatca ttg 263

<210> 22908
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951909H1

<400> 22908

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 ccgaaatgga gacactgaat catgtcctag ccctagtgga ggcattccga gcatttgacg 120

cggacaacga tggccgaatc acgcaggcag agctaggagg aatcttgggg tcactcgggt 180
acaaccctag cgagcaagaa gttagggcaa tgattgaaca cggcgacaag aacaaagacg 240
ggttgttgag catccacgag ttct 264

<210> 22909
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700951910H1

<400> 22909

ccaattctct gaaatcgtat ccttcaaagc ctgttttgcc ttacaaagc tatacaaagc 60
agtatcaggt atcttgttca ggactctccg gagttgccac tgggtgctacc tcttcagaag 120
tttgctctgg tgcaaataat ttttctttgc aagattttgc agttggacgt agtagccttt 180
ctctccctca tgatggtaga caacgggtcaa gtaatgggta ctctgtgaat aaaaagggtgc 240
gtgaaaatgg agaattggta ag 262

<210> 22910
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951911H1

<400> 22910

acgagatttc tgatgatgat gaagcctcca caaagagttc caaggataaa aagtcaaagc 60
gacctgattc tggaaaagca tcaaacctta ttttcaagat tacaagcaag gtcctttaca 120
agactgttat gaaagctcaa agtgcagttt tggttaaaggc tgagagtatg gcagataagg 180
ttgagtggat caacaagtta agaagtgttg cacaggctaa aggagggtcaa gccattgggtg 240
aacctagttt tcctatgcga caaa 264

<210> 22911
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: 700951913H1

<400> 22911

tcccaataca gggaggctta tcagttgggt tgatagcatt gatatacct gaaatcctct 60
actgggggtt tgagaatgtt gacatcttat tagaatctcg gc 102

<210> 22912

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700951914H1

<400> 22912

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taggtacagt aggggactga atatcattga aagcaatgat tcttatgaca tggaagattt 120
tgcaatgcca ttacaagaat acatcaatga tctgtggct gtggatgttg tacataatgg 180
agccacattc caggttgacg gtttgacaaa caattcttat atagcagaag cacatgaagt 240
gcgccattgt gtacagaaat ataag 265

<210> 22913

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700951915H1

<400> 22913

gttgcaagt cgtgcaacta tcccagatta tgcttataag gcaattgatg cattgcctgt 60
ttctgctcat ccaatgactc aattcacaac tgggtgcatg gcccttcagg tgcagagtga 120
gtttcagaag gcatatgagg gtgggatagc taaggcaagg tattgggagc caacttatga 180
ggatacaatg aatctaattg ctcgtttgcc agccattgct gcttatattt atcgacggaa 240
atacaaggat ggaaaaatca taccg 265

<210> 22914

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700951917H1

<210> 22917
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951920H1

 <400> 22917

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 cacttgccat agctcgcgat cggcggtgca ccttgatata cctctgacag ggccaaaatg 120
 gctcaaagag gcatgggtgg ggcgacttag aaacccggcc ttattcaaca gactcgaaga 180
 ggaacttctg tgggatatcg gaactaatat ttcggtgaaa tatatggggg acgacatggt 240
 tctgctcctt ggactcacag atg 263

<210> 22918
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951921H1

 <400> 22918

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 aaagccagcg accgcgcctc cgtgccatgg aagcaaaact ccagcctctc cttctccagc 120
 ccgaagcccc tcaagttctc cagaacaatc agagcagcag ccgccgacga gaccacagag 180
 gcaccagcaa aagtagaggc tgcaccggtc gggttcacc caccagaact tgacccaaac 240
 accccttecc cgatcttcgg gggca 265

<210> 22919
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951922H1

 <400> 22919

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 caccaactgg acctgtcaat gtcaagttag cattagtcgg aaaaggtttg acttttgata 120
 gtggtggcta caacatcaag acaggacctg gctgtttgat tgaacttatg aaatttgata 180

tgggcggttc tgctgcagtt tttggagcag caaaagctct aggtcagatc aacctcttgg 240
 agtggagggtt cattttatag tt 262

<210> 22920
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951923H1
 <400> 22920

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 cagagctgag agcatcaagg aatagaatag aagattcatt tttccatttt gatatggaag 120
 ctgatgtttc tattatTTTT gccgcgtttt caaaacccta aattgaagaa atcccaattt 180
 cccctcctct ctctctgctt tggatgattt tcaacaaaa atctgtgctt ttgtgctttt 240
 cgaatctttt gctctgatgg 260

<210> 22921
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951925H1
 <400> 22921

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 aaatatcctc cacttcttct acccccagca gtagaacaag aggtgccgga gcaagtttctg 120
 tcacgccgga acgatgaccg gcggcggtat cacggggagg ttgccgacgt ggaaggagag 180
 agagaacaac aagaggagag agagaagacg aagagcgatt gcagctaaga tctacactgg 240
 ccttcgagcc caggggaact a 261

<210> 22922
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951926H1
 <400> 22922

00330-ET-550

agacaagcca agtgaagag agaagataag tcaaagacaa tgtcagggat cattcacaag 60
 attgaggaga cccttcatgt gggaggccac aagaaggagg aggagcaciaa gggtagagcag 120
 caccatgggtg gagaatacaa aggggagcat catggtgaac acagtactga atacaaagga 180
 gagcatcatg ttggtgagca caagccggag caccatggag gagaagagca caaagagggg 240
 ttcctagaca agatcaagga 260

<210> 22923
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951927H1

<400> 22923

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 ccgcgcctcc gtgccatgga agcaaaactc cagcctctcc ttctccagcc cgaagcccct 120
 caagttctcc agaacaatca gagcagcagc cgccgacgag accacagagg caccagcaaa 180
 agtagaggct gcaccggctg ggttcacccc accagaactt gacccaaaca ccccttcccc 240
 gatcttcggg ggcagcaccg g 261

<210> 22924
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951928H1

<400> 22924

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 aagccatcgt agcctacact ggcttctctc cttccacctt cttcacggtg ctggcgcttc 120
 tttttgccgt ttactacgtc gtcacgggtc tctttggctc ctccgacgat caccatcacc 180
 gccaccgcca cgtcgaggag gaggaggaga tgccgcctct gcgccccccg gttcagctcg 240
 gcgagatcac agcggaggag c 261

<210> 22925
 <211> 274

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 tggacagaga atacactctg taggagactt ttgtctctgg gacagcaagt gtattgctgt 180
 atagtgtgtg attccagtgt tctatatgat attttattat gttatcaatt ggtgttctat 240
 caccttggga gattgagctt gaag 264

<210> 22931
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951874H1
 <400> 22931

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 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tgctgttctc 240
 tacatcaccg t 251

<210> 22932
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951875H1
 <400> 22932

atataaggca attcttaaatt gggcagtaaa gttgggtatg gattttgatg ttataagatc 60
 aaattcaaca gttctocatg tcttccccctt caattctgag aaaaagagag gtggtgttgc 120
 tttgaagctg gtaatcattt gataaaaaca tttactgatg catcctttca tttagagcaa 180
 tctgtgaact agtacgagac atgtattcat ccttgtttca attgataact ttcacttgtg 240
 aactaagtta agttgtaata gtga 264

<210> 22933
 <211> 263
 <212> DNA
 <213> Glycine max

catgtgtgcy acctcccacc aaggagatt gattgttacc atatagtttg aagtaagtga 180
gacattagct ttcttggttg taaaattttg tttctaagga tgcttcaaga ccctacatat 240
tttgatcatc ctag 254

<210> 22939
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 700951883H1
<400> 22939

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aaacacaacc aggaccatca tactgtcggg ttcaccaggt atagtgaatg gcaaacaaag 120
atacgcaatt aatagcgtgt cttacgttgc tccggacact cctcttaagc tcgccgacta 180
cttcaaaatc cctggcggtt tccgtgtggg aagcattctg acaggcccat ggcggtggca 240
tataccttga cacatctgtg ctgcaa 266

<210> 22940
<211> 151
<212> DNA
<213> Glycine max
<223> Clone ID: 700951884H1
<400> 22940

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aagaaaacaa ccacgtcac aaattcacag tgaaatatgt tggcctcaac ggaatggaat 120
gcgaaggcaa attgccgagg aggggtggtg c 151

<210> 22941
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: 700951885H1
<400> 22941

atccccctgca aggctgtcac ctagaagggg atctaaggcg tctaggtgga gatggagaac 60

aaatgaccaa gatcttcttt gtattgctgt tatgtctgat catagcagct tcttctgggt 60
 ttgtgaattg ctttgatggt gaaaagaagg aaaagattga aatatttgag ctcaataaag 120
 gtgacctttc tttgaaggtc accaactggg gtgcttcaat tttgtccctg gtgattcctg 180
 ataagaatgg aaagttgagt gatgttggtc ttggatatga ttctgttaag gattacacta 240
 atgatacaac atattttgga g 261

<210> 22945
 <211> 157
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951891H1
 <400> 22945

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 taaattggca atgtaatcga ttatttcaag aaagtaatcg atgagatttc ccatttaatc 120
 gattaaagtg ttcttcccca aacctggaaa gttttcg 157

<210> 22946
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951892H1
 <400> 22946

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 gaaaagctgt tagtgaacta gtcttagctc ttaggtatgt ttggatacat ttctccataa 180
 acactttagg tgaaaaaaaa tagaaaataa aatgagttgg acttctacta taagctaagt 240
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<210> 22947
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951893H1

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 acgcgctttt gcgacggagg cggcgaaatc gatatccccg tcggcggatc gcgtgaagtg 180
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<210> 22948
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951894H1

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 cagctgcac caacattccc agaatcagat caactcttaa tctcaatcca gccatcaatg 180
 ttatctcact aaagttccca aatgggtataa ccaacactgc tgaattgccca cctcacttag 240
 ctggaaatct catacacg 258

<210> 22949
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951896H1

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 acttgttggc catgggttcg aatccggaaa cagcctcttt gcatatgcaa gggtaaggct 180
 gcgtaccaca tccctcccc ataccttcgc atagcgaaga gcctttgggc aatggggtac 240
 gaagtttttt tttaattgat cac 263

<210> 22950
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951868H1

<400> 22950

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 ggtggatttc ttggtactct gtcactctta tctgccacca agctaggctc tatagctatt 180
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<210> 22951
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951839H1

<400> 22951

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 ccttttcgtt ctctacttcc caagatgcca ccacgccatt cccaacaacc ccatcaaac 180
 cgtcgtcgtt ttggtaatgg aaaatcgctc cttcgaccac atgctggggt ggatgaagag 240
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<210> 22952
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951841H1

<400> 22952

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tagggttctg tcagagttag acttgacttg atgtttcttt ttgggaaatg tacgaggata 240
actggttctt tatacggatg gccccgta 268

<210> 22953
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700951842H1

<400> 22953

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cctccaccac ccctcatatc ctcatatctt tcactctttt tccttttggt ttgtccaaga 180
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tgtgctgag ctcaaggaga ttggag 266

<210> 22954
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700951843H1

<400> 22954

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tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
catggcgaac aatatagatc agactcca 268

<210> 22955
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700951844H1

<400> 22955

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 gtaccctacg atcatgttct tgcgatga gaagttgctg attgagaggt tggaagggat 180
 ctacacgttt gggcaaccaa gttggagatg aagcatatgc acagtatatg agacaaaaat 240
 tgagggaaaa ttctatc 257

<210> 22956
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951846H1
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 gccttctaag aggcaattta gtttactgt tagggccatc caatcagaaa agccaaccta 180
 tcaagtgatt caaccaatca acggtgatcc cttcattgga agccttgaaa cccagttac 240
 atccagcccc ttgattgcat ggtact 266

<210> 22957
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951847H1
 <400> 22957

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 gtatcaccat cacaaaaaaa acaccctttg gtgtatcctg catcacactg tggatatacc 180
 ctcaaattct atgatggggg gttatctgcc agatcctgca agtacaaaaa cccttccttt 240
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<210> 22958
 <211> 276

<212> DNA
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 <223> Clone ID: 700951849H1
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 aggcaacttg ctcttcccc tactcgcat cgcgggcctg ttcttctct tccgcagagc 120
 ccaaggcgcg cccggcgggc ctggcgggct gggagggccc atggacttcg ggcggaacaa 180
 gtccaagtcc caggaagtcc ccgagaccgg cgtgagcttc gctgacgtgg caggcgcgga 240
 ccaagcgaag cttgaattac aagaggttgt tgattt 276

<210> 22959
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951850H1
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 ttctgtttct gttccagcgc cggcaacagt tgccaccac accagaacga ttggaattat 180
 acatccgcct ccggacatta ggaccattgt tgataaaacc tcccagttcg tcgccaagaa 240
 tgggccagaa ttgaaaaga ggatcattgc aaa 273

<210> 22960
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951851H1
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 tgaatctctc tcaagcttcc tttcttaaaa ggtaggaat ttgaagcaga agtaagaact 120
 aggaagagat gggagtggat ttgagacaag tggtagcagg tgcctcacc ctcacaatgt 180
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272

<400>	22961
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<400> 22962

<400> 22963

9577

<223> Clone ID: 700951859H1

<400> 22966

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gttgtaacat aaaattccaa ttagaggaag ctctcctgt gtaagtcttt cggggatttc 180
gacttgcatt ttgtgtataa taaaagatga agaagttgga ggtgcaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaga 264

<210> 22967

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700951861H1

<400> 22967

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ttgtccgttc ttactctctg tgtttccctt gtgctttcct tctttgcacc gaattccata 120
gctgctaaca accgtgcagt ggttccctcca gaaaccattt gcaactccac cgtaaaccct 180
tccttctgca aaaccgtgct tgctaataca aatggcagca tcgttgacta cggtcgaatt 240
tctgtccgaa agtccttgtc ccagtc 266

<210> 22968

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700951862H1

<400> 22968

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cctatgctcc ggttatctct gccgccaagg cctaccacga gcagttgtcg gtgccggaga 120
tcaccaatgc cgtgttcgag cccgccagca tgatggccaa gtgtgatcca aggcacggca 180
agtacatggc ttgctgcttg atgtaccgtg gtgatgttgt cgctaaggat gtccatgctg 240
ctgtagccac catcgagact aagag 265

<210> 22969
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951863H1

<400> 22969

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gacaatagct aagaaacagg tggattactt gcttggagac aaccattga agatgtcata 120
catggtgggg tatggtccac ggtacccacg aaggatacac cataggggct catctttacc 180
gtcgattgct gtacaccgga gaaagatcca gtgtccgca gggtcagtgt gatgaattcg 240
caatcccca acccaacatt ctcg 264

<210> 22970
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700951864H1

<400> 22970

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tggtgacgac gctgatcttc gtagtgatcg gaatcatcg gtgcctctgc accagaattt 120
gctgcaacag aggaccttct gccaatctat ttcaccttac tttggtaatt actgcaacaa 180
tttgctgctg gatgatgtgg gcgattgtat atctggcaca gatgaaacca ctcatgtgc 240
ctatactgaa cgagggtgaa taagtctct 269

<210> 22971
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700951865H1

<400> 22971

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attctccaaa tactttggac tttgaatgtt atgtttctc gcagtgtacc tatcactaat 120

tgagcttagc ttcagatcag gccattccaa gattgtaaat gcttttacia gagtaaggag 180
 taataagaag ggataatata aataaaaaag cattaatatt ttcattctgtt gttattcttc 240
 atatatacata 250

<210> 22972
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951866H1
 <400> 22972

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 cttggaatca gtatgaagg gtagctgcaa tattttaaatt tggtaacagc agagatatgc 120
 ctgaaattcc tgatcatctc tcaagcgagg caaagaaatt cattcagcta tgcttaciaa 180
 gagatccatc agcccgccca acagcccaga tggtactaga gcatcccttt attcgagatc 240
 agtcattaac aaaagcttac aatgtcagaa taa 273

<210> 22973
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951867H1
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 aggaatcccc ccggaccagc aacgtctcat ttctgcccga aagcaacttg aggacggccg 180
 tacccttgct gactacaaca ttcagaagga gagtactctt cacctcgtcc tccgtctccg 240
 tgggtggcatg cagatcttcg ttaagac 267

<210> 22974
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951836H1

<400> 22974

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 tttcttcagc cacagcagtt ctcccttgag ctttagctcc tgggtgtaat gtccgtatct 180
 tcactcagcg atctctocca tttttaatct ttatactctt ttttcattag atttttgtga 240
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<210> 22975

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700951807H1

<400> 22975

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 tagggaatca gatgagattc acccggcctt ctcaaattag aggcaccaac cctgtttgga 180
 atgacgagct tatgtttgtg gccgccgagc catttgagga ttttatcatt gtcactgttg 240
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<210> 22976

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700951808H1

<400> 22976

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 tactgtggat atcatttgaa aatgggcagt tcagatagaa tcgaactttt gattgattcg 180
 ggtacttgga atcctatgga tgaagacatg gtttctctgg atcctattga atttcattcc 240
 gaagaggaac cttataaaga tcgtattgat tct 273

<210> 22977
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 <213> Glycine max

 <223> Clone ID: 700951811H1

 <400> 22977

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 tctcgtactt catccctagt tatattttgt atcaaaaccc taattttaca tccttcacgc 180
 gcttaatcct tgtattttct ttgcgcgatt ggtttttctg tttgcaattc gatgctcagt 240
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<210> 22978
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951812H1

 <400> 22978

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 gcatctccgt gggcggcgcc aaactcccag tctcctcctc caccttctcc accggcggtg 180
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<210> 22979
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951813H1

 <400> 22979

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 gagccctgct acacttcaat tcccagagaa tgtggtcgat tttaaattga aaagtgcac 120
 taacctcttt gaaattgcaa aatgcaagac ttctgtttcg gctattgagg ttagtccaga 180

tggttaagcaa ttttccatta catcacctga tcggagaata cgtgtgtttt gggttcagtag 240
aggtaaacta aggcgagttt atgatgaat 269

<210> 22980
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700951814H1

<400> 22980

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cttgtgccac catgaatccc gaatacgatt atttgttcaa gcttttgctg attggagatt 180
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atatcagtag cattggagtg gactttaaaa t 271

<210> 22981
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 700951815H1

<400> 22981

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gtaattcaag atcaacttgg aaaatttgca agatttgggg tgaaatctgg tcggatcttg 180
ctttgtggga tggggatttt ggtgggtctt atttcaatac aaagctcttc ctcttcctct 240
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<210> 22982
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700951816H1

<400> 22982

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aatggatcaa cattacacct gccgtgttta aggttacctg tgctaagaca aaatactccc 180
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gaacaaacaa tacccgatgt gaggtgacc aaatc 275

<210> 22983
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700951817H1

<400> 22983

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agaatagaaa tgggctccga attgattttc agaggccacg aggtcagcc cgtggacgac 180
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ctccgcgagc agcgactcgt ctctgtctc gtcggcgtc 279

<210> 22984
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700951818H1

<400> 22984

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gggattcctt atgtatttgc tccatgcata gcggtttgta gagatccaag atggggctcg 180
tgttatgaaa gctatagtga ggatcctaaa attgtgcaag acatgacaga gatcatacct 240
ggtctacaag gaagtatccc tgccaattcc aggaa 275

<210> 22985

<211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951820H1

 <400> 22985

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 cttttttcac ttctctaagt tgctaagtta attgctcctt ctttttttca ctcttcgttc 180
 tcgcgtaacc gtgtcacggg aactcgtggg gaagtgttcg aaaatgactg tcacacctaa 240
 gatctcagtt aacgatggga aacttggtgt cc 272

<210> 22986
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951821H1

 <400> 22986

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 acacggacac ccacatttag gtatgaaaat atgacagcag tgccagctac attggattgg 180
 agacaggaag gagctgtcac acccatcaag gaccaaggcc aatgtggatg ttgctgggca 240
 ttttctgctg tggcagcaac agaaggaatc acc 273

<210> 22987
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951823H1

 <400> 22987

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 gggtgttatg ttatggcggg caaaggtgtt gggtcagtgg ctaaggcagt agcagaatat 180

cagtatcctt ggcgtgagaa gttggcgaaa tataaggatg agtttgctaa ggggtgtgtgg 240
ggatactggg agctgggggc atggaag 267

<210> 22988
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700951824H1

<400> 22988

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gaggaaattc aagagataat agccaaccac gcaacaaaaa gtggagacag tgacaatgaa 180
gacgctaaca acgatgacgt tgtggcacia gcattaaccg tagcagacgc attggcaagg 240
cctccactgg aacctgacgac gaaataacct tg 272

<210> 22989
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700951825H1

<400> 22989

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agatgttgac attcatgcaa gaactgcgga aggttgtaac tgttggagtt gttgggggtt 180
ctgaccttat aaagatatca gagcaacttg gcagcacagt taccaatgac tatgattatg 240
tattttctga gaatgggtctt gtggctcaca a 271

<210> 22990
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700951826H1

<400> 22990

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atctttggag agatgatata tgcaagggtta tttggtaacc acgtgtcaaa cctccatata 120
tatgccaatc tttcggggac cagtaaccca agaatgagaa gacatttaat gcaagttgat 180
aatcactca gcagaataag ttgtttcctc ctttgctgcc tagttttgtg tctgctctta 240
ttctgattgc tatttcgttt tcatcctta 269

<210> 22991
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 700951827H1
<400> 22991

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gtattggatg ttgatcttgt taacaagcat ggcggagaag ggcgactgtg tgaaaaattt 120
ggatgatgat cgcagcatgt ggctggtaat gatgtaagat atctgcactt tgattttcac 180
catgtctgtg ggcaggttca ttttgatcgt ctctcaatcc tgtatgatca aatttcagat 240
ttccttgaga gaaatggata tcttctgtt 269

<210> 22992
<211> 211
<212> DNA
<213> Glycine max
<223> Clone ID: 700951829H1
<400> 22992

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accatggtgt ccgcacaaaa tgtaacaaa aacaaaatta taatttattt ttttatgtaa 120
taacatcagg atactataaa attgacattg tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaagg gggggccccc aattttttcc c 211

<210> 22993
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700951830H1

<400> 22993

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 ccagcagaga cttatctttg cgggtaaaca acttgaggat ggtcgcaccc ttgccgatta 180
 caacatccaa aaggaatcaa ccctccatct cgtgcttcgc ctcaggggtg gcatgcaaat 240
 ctttgtcaag actttgaccg ggaag 265

<210> 22994

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700951832H1

<400> 22994

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 ccaagatgag aaatgcttcc aagttgctgc accacgaacg cgctcttttg gttcgttggt 120
 tttccggcga tgctcaatcc tctctcaacc gaaaccgcga tgtgtggaaa actcaattcc 180
 acgagtcttc aacaacaaga agtgtctttg aaccggcctc cagctttaat aaacgttcac 240
 ttggtatgca gaagagaaac atctccatgg ctacc 275

<210> 22995

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700951833H1

<400> 22995

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 cactagcaat gtatattcca catgtaagag tgaaaactag aaaatctgtg aaccatacca 120
 ggactacac attactgatt agtagaattc aactcagcag attatatatt gaaatctccc 180
 agagtcagag tacatggagg aatgatattc cgccttggtt ggtatctagg gaatggcaca 240
 ccaaatactg gctgcacacc atattctagt tttctcctta c 281

caggtgaagg atttctcaaa gaagtgcctc ttcaggatgt gaggttgcac aaggattcca 180
tccatagtag agcaaagcaa acaaatttgg aatatctgtt gatgttggat gtggacag 238

<210> 23002
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700951775H1

<400> 23002

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ttctccgagt ttttattatc atcatctctc tcgtgtccct gtctccatct ccattctctta 120
gtttcttctt caaatggcag aagttgaaga catagacaac cctcatcacg accaccatca 180
ttacctttct tcttctacaa cacaacctcc aatgatcaat ttcccgcgag atctgttaa 239

<210> 23003
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700951776H1

<400> 23003

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actgctaagg gaggatcccc tagggctcgc gttgttgcct acaaagcatg ctggaataaa 180
ctggatgaag gaggggtgcta tgatgcagat attctagaag catttgatca tgccatttat 240

<210> 23004
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700951777H1

<400> 23004

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tagcaaaata taaaaggccg atagttgtgc atgctgaggt tcaacaagat tttgaaaacc 120

095313.03200

atttgagct taatgaggat aaccttgatc cacgtgctta cttgacctat ctcaatgcc 180

ggccaccttc atgggaggag gcagccatta aacaacttgt aggtgttacg aaggacaca 239

<210> 23005
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700951778H1

<400> 23005

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ggtgccactt tcaaaaaaca cgcctatttg ttgcagcaca tgcaaagtca ttcacttgag 120

gtatttgaac tcttgattaa ttattattta agaaaaataa gttggatata gtcaaactct 180

aaaagcacat aagaaaactg tattttaaag ctatgtctta tagaccgttg tgttccttga 240

g 241

<210> 23006
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951779H1

<400> 23006

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agctcgaagg agagaccac tcttggtggc acgcgatta agaccgcaa acgaaatatt 180

gctgcgccgc tggaccctgc agcattctcg gatgcagtgg tccagattta tttggataat 240

gc 242

<210> 23007
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700951780H1

<400> 23007

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tgaacaccat gtttactctc ttcttctctc ttcttctaca ttagttcttg ttattcatta 120
ttcattctca gcttcttttc ttctgggggg caaaaggggt cacttttcag atccgagatt 180
gagctccttt acccatcatc atcatggagc tcctcgggta cctgaatcag ggtcaccctt 240
ctaga 245

<210> 23008
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700951781H1

<400> 23008

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tattatacta ctacctgcaa tattattcag cttattctta tgaaatttta ttaaattattg 120
tctatgtaca ttgggtttttt ggtcttggtt catgaatcat gggtgaggtt ttacctgttt 180
attgttgatt gtttgtattt cctgcacata atacatacat gcatctgaaa tatgaaaaaa 240
attctaa 247

<210> 23009
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951782H1

<400> 23009

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ttctgtagcg gtttataatc actataagag gatatttaat gaaacctctt tgcccaagtg 120
gcctgcagga gattcagata atagtgtgaa agttgatgct gctgatgatg atagagttga 180
acttgagaaa agcaacatcc ttctaattggg gcccaaccgga tcagggaaga cattacttgc 240
ca 242

<210> 23010
<211> 253

0953113-032300

<212> DNA
 <213> Glycine max

<223> Clone ID: 700951783H1

<400> 23010

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 tttgggtctt gggagagaga ataacagaca tgttactgta agtttgtaac aactatatag 120
 ttatcatccg cacactcttt tctttctttc tttttccttt ggtattgagg gttgtaaaga 180
 agcttcttgt ttgatatgta tgtaaatgat gtaaagcccc aagtcttgta cttattttcc 240
 tggttaaattc aag 253

<210> 23011
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951784H1

<400> 23011

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 aataaagtga tttctggcgg ggcatgtaaa taatgcccta gggagtttgt aattattgtt 120
 tatgatacta tttctttgca attc 144

<210> 23012
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951785H1

<400> 23012

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 cagttctatc gccacgaccc atcaatggca gggaaagacc ctgtcgatgt gataagaaag 120
 gctgtggcca aaacgcttgt gttttactca ctttttcag gtaggcttag ggaaggactt 180
 ggtcggaaac tgatggtgga ttgtactggg gaagggtgtt tggtcattga ggctgat 237

<210> 23013
 <211> 235

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700951787H1

 <400> 23013

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 tcttaattct acgtacgtga ggtgtagaa gacacaacaa tgaatttggc aaaggggtgtt 120
 ggcggaaaca ttgacaaatc ccaagttctg tccgctgttg aaaagtacga gaagtatcat 180
 gcttcttatg gaggtcagga ggaggagagg aaagctaatt atgttgatat ggtta 235

<210> 23014
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951789H1

 <400> 23014

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 ctgagagatg ccaccacaaa gacaagaaag cgttgctcca actccagaag gacctcgga 120
 acccttatca catcatatcc tggaacgcaa aggaggattg ctgagagtgg ttctgctgcg 180
 ttaagtgtga cgagaaaaca aaccgctca ttagcgttgc cttatcatcc ctttttcca 239

<210> 23015
 <211> 62
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951790H1

 <400> 23015

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 ag 62

<210> 23016
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951792H1

[illegible]

<210>	23017
<211>	237
<212>	DNA
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<400> 2301.7

<210>	23018
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<212>	DNA
<213>	Glycine max

<400> 23018

<210>	23019
<211>	243
<212>	DNA
<213>	Glycine max

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gctaaggcag ggatctctca catgccatct ccattaggaa gtgattgctc atcaagatca	120
agtccaaaag tccaagtcac ccattgcagg aaaaggttga atcatttcac aaagtcaaaa	180
tcattgagaa gtccagtgag taagatactg gaaaatagtg agatcaaata aaatggcata	240
gca	243

<210>	23020
<211>	245
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700951796H1

<400> 23020

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ccttcttctc atgttatgtt aataagggtt ctctttctcc ttccagaacc aaaatcccat	120
ttctggaaaa gaaatggagg aatcagattc aacaccaaag tctctgatgg agaatctgct	180
tggccttttg agggttcgcg tgaagcgtgg tgtcaacctt gccgttcgtg atgttcgaag	240
cagcg	245

<210>	23021
<211>	286
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700951801H1

<400> 23021

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caattgctct	ggggctcttg	gcgatgctcc	tcttcttcat	tgcttcttcc	tcttcctctc	120
acctcgttcg	tgcttccgat	gacgccgacg	acgcgatctt	ctacgagtca	ttcgacgagg	180
at tt ttgacgg	acggtggatt	gtgtccgaca	aggaggatta	caacggtgtc	tggaagcatg	240
ctaagagtga	tgggcatgat	gattatggac	ttcttgttag	tgaaca		286

<210> 23022
 <211> 292
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951802H1

 <400> 23022

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 gtccgaattc gctttttgat ctgcgaaaat gagagagtgc atctcgatcc acattggtca 120
 ggctgggtatc caggtcggaa atgcttgctg ggagctctac tgccctcgagc acggcatcgg 180
 gcccgatggg caaatgccaa gtgacaagac agttggcggg ggtgatgatg ctttcaatac 240
 tttcttcagc gagactgggtg ctggaaagca cgtgccacgt gcagtgtttg ta 292

<210> 23023
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951803H1

 <400> 23023

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 taagcacaga gaaagaggaa gagatggagg cagaggcaga aggtgaagaa ggtgcgaact 120
 aagcatttac aaggcggcga gaagcataaa gcgaagagag aacagtttgt acaacgcact 180
 gagatccatc taccaagact ccatcttcgt ctccgagatc tctctttctat ggcctcagct 240
 ccctctctc gccaacctcc gctgcggcct ctggtactcc 280

<210> 23024
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951805H1

 <400> 23024

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 gcctcaccctc ttttggttg attcaattca tctcagtttg gcgagcctaa gccattctct 120

cgtatttgat gttgggtca tagcaattag caactccacc cttcaaactt gaaaggaaaa 60
aaggactttg gttatccacg ccacaccacg ctgtaattaa ctaaactttc tagaatcttc 120
ttctctcgcc atggccgcgc cgctgctctc cgccgcggca aacatcatgc tggcgatctc 180
cgagaagaag acgaacagtg tagatctgta tcgcctctc cgcaactacg tggccttcca 240
cta 243

<210> 23028
<211> 243
<212> DNA
<213> Glycine max
<223> Clone ID: 700951744H1
<400> 23028

ccaagcccca ctcaaccacc acaccactct ctctgctctt cttctacctt tcaagttttt 60
aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctt gaacaggacc 180
cagacagcaa ggttgctgc gaaacatgca ccaagaccaa cttgggtcatg gtcttcggag 240
aga 243

<210> 23029
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700951745H1
<400> 23029

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gcctcatggt gtttgtgtgc cattcccagc acaaggccac gtgaaccctt ttatgcaact 120
aagcaaactc cttctttgca ccggtttcca catacccttt gtgaacaccg agttcaacca 180
caagcgtttg gtgaagtctc ttggacaaga atttgtcaag ggacaacctc attttcgatt 240
tgaga 245

<210> 23030
<211> 244

003330-ETFE50

<212> DNA
<213> Glycine max

<223> Clone ID: 700951746H1

<400> 23030

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agtgcacaaa gcagcattca tctggatgga ctattcaaca ttatctcata cgatttggtg 120
ccaaagctac agaatatgct tatgacatgt aactttaagg ttgtgattgc tgatgagtca 180
cattttctga aaaatgctca ggcaaagagg acaactgctt ctcttccagt cataaagaaa 240
gctc 244

<210> 23031
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700951747H1

<400> 23031

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tttgttgcat ttgggggggtt tggagaactc tgtggctctt ccgctgtttt ctagataatt 180
ttttatgcga aagatatatc ccaagtgttg aacggcttga gaagcggaac gggcaagtca 240
gccaaagc 248

<210> 23032
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700951748H1

<400> 23032

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atcacactcg gcatttcctt tccaagata gtagaagatg gcagacactg aggatattca 120
acctcttg 128

<210> 23033
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951750H1

 <400> 23033

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 actcacgtct tctcaggagt gccgtgcaac atgaaactcc tacatcacag ctttctgaaa 180
 tatggtcacc tctggaaagc caaggacgga aaccttatgt tgaatcagat aagccatcat 240
 taccagag 248

<210> 23034
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700951751H1

 <400> 23034

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 acttttgtgg tggcagccac agctggtagc ttttaccaag actttgaaat aacatggggc 180
 ggtgagcgtg ccaaaatcta tgaaaatgga aatcttctca ccctctccct agacagagnc 240
 tctggctc 248

<210> 23035
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951752H1

 <400> 23035

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 cacaaggact tgcttatcta caccatgatt gctgtcctag aatcatccac agggatgtga 120

0953113.030200

aatcatctaa cattatatta gatgcagact ttgagcctca tctcactgat ttggcattg 180
 ccaaaagtct ctgccctcg aagtcccata cttctactta cataatgggc acaattggct 240
 ac 242

<210> 23036
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951754H1
 <400> 23036

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 ttctttcttt ctcaagtttt gctacttttc tcttcttaac catagttcac atattatata 180
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 c 241

<210> 23037
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951755H1
 <400> 23037

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 tcagcgcgaa aaacagcagc agcagcagca gcagctgcgc agtctcagtt cgagagacct 180
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<210> 23038
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951756H1
 <400> 23038

002230-ETTESO

<223> Clone ID: 700951759H1

<400> 23041

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tcgccgactg ttgtcaactc tcttagatag acgacgttga ccctaggctt ttatctctgt 180
gtcgggtggct ctgaatgtgt cgtttctttc ggtgtcgttt ttgccttttt tttctctttc 240
c 241

<210> 23042

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700951760H1

<400> 23042

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gaggcctttc ctgaaatttc aatgactgtt gatctgtcga acactactgt gttgcatact 120
gctgcagcac aaggacacat tgaggtagta aattttctct tggaaaaagg taatagcctg 180
gtaactattg caaaaagcaa tgggaaaact gtgttgcatt cttctgcaag aaatggctac 240
ttg 243

<210> 23043

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700951761H1

<400> 23043

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tcgtcaagac cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg 120
acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180
ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240
aga 243

<210> 23044
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951762H1

 <400> 23044

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 tggaggaggg atcattgctc agctcatcac ataccactt caaactgtaa aactcgcca 180
 acaaaccgag cgtgatccga agaaagacac gaggagtcaa ggggccctcg aacgaatgtg 240
 ccag 244

<210> 23045
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951763H1

 <400> 23045

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 gttegacgcc accaccgctt tctccggcgg cggtttcatg tcttctcagc cgtctaccct 120
 caacgattcc tctcccgcgc cgtcaaaaag ccgcgaaact cagggtttgg tgccagtgc 180
 agtgaagcag ataagcgagg cctctcaatc cggtgatgaa aagtogaatt tcgtgatcaa 240
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<210> 23046
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 <212> DNA
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 <223> Clone ID: 700951764H1

 <400> 23046

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002220"ETTFS60

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ctta 244

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<212> DNA
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<223> Clone ID: 700951765H1

<400> 23047

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tagcaccagc atatgttcca aaaccaccaa ttgtgaacct tccctatgtc ccaaaaccgc 180
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tccctaa 247

<210> 23048
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<212> DNA
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<223> Clone ID: 700951766H1

<400> 23048

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ggtctgtact ttggattgta tgattccgtg aaaccagttg tctcaccgg atcattgcag 180
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tcat 244

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<223> Clone ID: 700951767H1

<400> 23049

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ggtgaatgcc tcactatgga gaagggaaat gctgtcaaag gaggaccaac aagaaggcat 180
gtcgtcgtcg tcgtgtctga ccggaaaccc catcgacgac tgctggcggt gcgatccgaa 240
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<210> 23050

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700951768H1

<400> 23050

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ggaaaaaata tctagaaaac aaaattttgt atgtgttacc ttcatattcat atttcaaaat 180
ttttgctctc tcctattggt tccactaatc agaatttagt ctaaataaat actgaattga 240
ggaa 244

<210> 23051

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700951769H1

<400> 23051

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ctctctcccc ttgacgttcc acccattggt caatcattgt ttgaccacca caaagctgtc 180
aaccatgacg gtcacacaat gccgttggtg tccgtccaag tcaactgaatt tgtggatggt 240
g 241

<210> 23052

<211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951739H1

 <400> 23052

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 atgcttggcg ccctttactt acagtactct gagaactctc caccttacca gcggggtcca 180
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<210> 23053
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 <213> Glycine max

 <223> Clone ID: 700951708H1

 <400> 23053

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 tattcaaagt tttggaatgc taatccctct gcagaaaagc aggtcaagtt gtctagcaaa 180
 gctggcatgc ttttgctgta cactcctgct tttcttgctg gccttgcac cttctggatc 240
 tttcc 245

<210> 23054
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951709H1

 <400> 23054

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 tttctcagaa gaaaggctga tccaaaaaat gttgtttcca tcatattggg agggggacct 180
 gggattcaac ttttctctct taccaagcga gctgccacac ctgctgttcc tgttggtgga 240

tgctac 246

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<212> DNA
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<223> Clone ID: 700951710H1

<400> 23055

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cacacaggac aaatcaggtg ctaaaagggt tgatttgctt agaggtcaga agacagataa 180
agtggatgtc actttacagc ctgaagagtt ggaagccatg gaaaatgttt tgcttgccaa 240
gtacga 246

<210> 23056
<211> 247
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<223> Clone ID: 700951712H1

<400> 23056

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ttaccaaatt tgagacggaa gaagccatat ttgagtctca gagagtctga gctgctgaca 180
tgagaaatgt ggcaactgca gctgttaaag caagcagggt atatagagag ctgaatacac 240
agacaat 247

<210> 23057
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<212> DNA
<213> Glycine max

<223> Clone ID: 700951713H1

<400> 23057

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attgggacca gtctactgca ccacctccac cagcagtcta ctcatggtgg tggttatgat 180
tactatagtc aacagccaca gcaaccacaa aatcctgggg gtactgcacc tccagctgat 240
ggctct 246

<210> 23058
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<212> DNA
<213> Glycine max
<223> Clone ID: 700951715H1
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atcctattgt agagccaagg cccaacttgg tcagaggaat cagggaagca ttgctaaggc 180
atctcacggc tggtcttagc aatgatgatt tggctactca tttcatgttg ctgcacttc 240
tatccaa 247

<210> 23059
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700951716H1
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atagaatgca acctaaagct tcttgaggca actggaattg aagacaagct acaggagggt 120
gtaccagaag ccattgaatc cctgcggcaa gctggaatca aggtctgggt tcttaccggt 180
gataagcaag agactgcaat ttcaattggt ctttcttgta aacttctgag tgcagatatg 240
cagcaaataa tt 252

<210> 23060
<211> 258
<212> DNA
<213> Glycine max

002230-ETFE60

<223> Clone ID: 700951717H1

<400> 23060

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gaagccgtga cgatcgccac gtcacgtgtt gcacgcgaa gaaaccataa ctctaacaac 180
aataaccata atagcttcgc ctctccgca aaccagaatt gcccgccgga agcggagtcc 240
ggtcaccgat cgagagcg 258

<210> 23061

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700951718H1

<400> 23061

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gactactact tcttctggaa gtgggagcag ctccataaat agcaagttct cagtgtcaag 180
cggtggctcag ccttatccaa atggacagat ctacactacc tctaatttga ggatcttcac 240
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<210> 23062

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700951719H1

<400> 23062

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atcagggcca ggctatgctt cccactgga agccatttct ggtcccagag agtctctcat 120
ttatgtaacc tctgtctaca cagggaccgg aatagagaag ccagactatt tggcgacagt 180
ggatgtggat ccaaactctc caacttattc caaagtcac cataggcttc ctgttcctta 240
tttaggtgac 250

<210> 23063
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951720H1

 <400> 23063

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 catcttactt cataccatcg cttggacctg ctcccaagtg gtgttcttcg ctagagaatt 180
 tcactgagga gttagacatg ggtggacaaa caactattta tgatcattac aaatttttga 240
 caaag 245

<210> 23064
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951721H1

 <400> 23064

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 aggaaaggaa ttggagcttt tgttagcaat attgccggac aacaatgggt ctctctatgg 120
 tgatatcaag cgtattttgtg aaaccgacct tggtttaatt tctcaatgtt gtttgacaaa 180
 gcatgtcttt aagatcacao agcagtattt ggctaattgtg tctctgaaaa tcaatgtcaa 240
 gatgggag 248

<210> 23065
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951722H1

 <400> 23065

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attggaaatc gagctggcgg aggttgaaat gcccggcctc atgtcctccc gcaccgagtt 180
 cgccccctct caacccttca agggcgctag gatcacgggc tccctccaca tgaccatcca 240
 aaccg 245

<210> 23066
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951724H1

<400> 23066

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 aactctcaag tataatgtgg caattaagtg cgcaactatt actccagatg aagctcgtgt 120
 gaaggagttt ggtctgaagt caatgtggaa gagtccaaat gggacaatta ggaacatttt 180
 gaatggaact gtcttcagag aaccaattct ttgcaaaaac attccccgcc ttgttcctgg 240
 ttgg 244

<210> 23067
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951725H1

<400> 23067

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 gcactggata acgtaaattt gttgggaaaa gatgcaagga tacaagtgaa tcattctgtg 180
 cattatgtgt tcaatcctgc actgggtgggt ggcaatttgg cggacacgat tacttttgag 240
 aatg 244

<210> 23068
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951726H1

<400> 23071
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 tcaatatcaa gatccagaag cegttcaagg agtttatcaa gagatgcaga aaatccagga 180
 aacaatttgt atgtgacagg attgtctcct aggattacca agagagaact ggagaaacat 240
 tttgctg 247

<210> 23072
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951730H1

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 gcaccctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttgagca 180
 ggaccctgac agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt 240
 cggagaga 248

<210> 23073
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951732H1

<400> 23073
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 ggtttacttg gcaccctatc atctctttct gccacagagt taggctcaat tgctattaag 180
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 gttcttagtg c 251

<210> 23074

09531133-032200

<211> 97
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951733H1

 <400> 23074

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<210> 23075
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 <212> DNA
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 <223> Clone ID: 700951734H1

 <400> 23075

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 gagtttgcct cctggttttc ggttttacc caccgacgag gagcttctcg ttcagtatct 180
 gtgccgcaag gtcgctggcc accatttctc ttttccaatc attgccgaaa ttgacttgta 240
 caagttcgac 250

<210> 23076
 <211> 248
 <212> DNA
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 <223> Clone ID: 700951735H1

 <400> 23076

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 gcgtcggact tggagtcgca ggtgctggac gtgatcggac agagccgcca cgctctctcc 180
 ttgccccgct tcgctcgccg ccacggcaag cgctaccgtt ccgtcgacga gatccgcaac 240
 cgcttccg 248

<210> 23077

<211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951736H1

 <400> 23077

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 ctagggacat ttgaaacagc agaagaagct gctagagcct atgatcaagc tgcgattctg 180
 atgagtggga gaaatgccaa gaccaatttc ccaataactc aaactccaga aggtgatcca 240
 aagagc 246

<210> 23078
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951737H1

 <400> 23078

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 gaagaaaaaa gaaaatattt ttcagatata attcctgaag ttgaaaggag tgatgccgag 120
 gttcaggctg agggagtata caaccaaagg cttcagaatc ttgctgtcac tcttgataag 180
 gtaaggatat ttatgagatg tatttttggc gatccacgga aagcaccacc tcctcttgag 240
 aa 242

<210> 23079
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951707H1

 <400> 23079

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 ggccatctac gccagctttt agtggggttg gtgaccgcat tcaggcatgt tggatgatgag 180

gttaaaacga cgcgagacg gcgtcgtcgg actcgacaac ttcaacgact actacgatcc 60
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gcgacctcaa cgacgccaag ctcttggaag agctcttcga tgtggtcgcg ttcacccacg 180
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tccacagca 249

<210> 23083
<211> 133
<212> DNA
<213> Glycine max
<223> Clone ID: 700951706H1
<400> 23083

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cacgcgcctc ttcagcgctc tccgctacga gtccatgatc cagcagttcg acccctactt 120
caactaccgc acc 133

<210> 23084
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700910063H1
<400> 23084

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tactcgcag cggaatttag gagtgtggtc ttctgtctt ggaagtgtg cttgaaagag 180
gaccttggtc atatgggtgc ttgtcatcat tatttgtgtg gtatttatcc atgcattatg 240
tggtcagaac ataataatca a 261

<210> 23085
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700910065H1

003330"EFFE560

<210> 23088
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910071H1

<400> 23088

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 gccggtgaag aacgcgcgat ttgtctggaa atcgcgattc agccacgatt catccccgat 180
 actgagactc aaccacgatt caggaagaaa aacgagacaa cctccgattc gtatcggtag 240
 cagttggaat catatcgaat 260

<210> 23089
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910074H1

<400> 23089

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 cacgggaacg aggaaaggaa gagtatttgc gcgaagaggt tccggagtgg aaggagcaga 180
 taacgataag agggttggtg gtgagtgctg tgttggggag cttgttctgc atcatcacc 240
 acaagctaaa tctcaccgtt ggg 263

<210> 23090
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910075H1

<400> 23090

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 atcattatta ccaatttccg atttcacagc gactattctt tgtgggcac tcttctcaaa 180

gatttggAAC aaacaacaat agaggggttg tgggtgctctg tgtgctgcaa tttccttttg 60
agcttggtgtt tgattcatca aatcatcaaa gatgactgta ggggcaggaa tatctgttgc 120
agatgggaac ttatggtgtt ggggaacaaa gtgctgagcc atgtccatga caaggttctt 180
gttacccttg catgtggtgg tgctttgctc aatggggcat tcattggggt tcaatcccat 240
cacaagggtg gccgcac 257

<210> 23094
<211> 258
<212> DNA
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<223> Clone ID: 700910079H1

<400> 23094

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agagttgagt cctgtcttcc agcaatcact tccggtgcta aaccttccaa tgcttggtgc 180
acgaagctga agcagcaaaa accatgctta tgtggctacc tcaaaaacgc tagcttgaag 240
cagtatgtta actctcct 258

<210> 23095
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700910080H1

<400> 23095

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ctttaaatgt ttcggaaggc cttatgatag atttgcttgc gactatgacc catatgggtcc 180
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atgctatggc ctgttccgctc 260

<210> 23096
<211> 255

<212> DNA
<213> Glycine max

<223> Clone ID: 700910081H1

<400> 23096

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gtgtatagcc gatgaaatat tatgggatga cagagccagg caaacatttg ggagtggcag 180
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ctgtcatcag tagct 255

<210> 23097
<211> 152
<212> DNA
<213> Glycine max.

<223> Clone ID: 700910082H1

<400> 23097

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ggttatcccg ccgctccggc cggttaacttc cg 152

<210> 23098
<211> 154
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700910083H1

<400> 23098

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cgctgaaacc ttcgctttcc aggctgagat caaccagctt ctaagtctca tcatcaacac 120
attctacagt caaggagata ancttgctg aact 154

<210> 23099
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<212> DNA

<213> Glycine max

<223> Clone ID: 700910085H1

<400> 23099

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tcaatctcca aactcctccc ttcctcggtt tctctttctc agtcctctgc cgcctcttcc 120
atctccaact tcccgtcgcc gccgtcggac tcgccgcctc cgcccgcatc ttcgtgggag 180
tgaacgtgga gttccccggc ctcccccttc accacaccat ccacgtcgaa cagttcctcc 240
tcaccaacat ggccaacaa 259

<210> 23100

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700910086H1

<400> 23100

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gttttttttag tttttggatt tcatttgcaa agtttaggac tttattctca agagcttttg 120
gttatggcca aggttggtgaa ggggtgactgc agtacttgga tctttgtttc cttcaatggg 180
ttggtcacag ttggttcttt catattcttc ctcttggtcc tttcctgggc ttatttatac 240
gcatttccca gttctcaat 259

<210> 23101

<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 700910089H1

<400> 23101

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tatgtgggtt ttctcatgtg aatgagagtt acccacatct catggtgaag ttctcatgat 120
ttgtggacct tatctttttg tagtgaatat ataataattt ttc 163

<210> 23102

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910090H1

<400> 23102

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 gtgatgtcat attgcgttgg caaagaaaca ggagcatgta cccttttagga attcaaaatt 120
 gacatacctt ctcagccatg tcttggtggg gattccaaaa ctttgatggt tgtgaacatc 180
 tcacctgac catcttcaac tggagagtca ctttgccttc ttcggtttgc tgctggagtg 240
 aatgcctgcg agattggtat ccc 263

<210> 23103
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910091H1

<400> 23103

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 taggcagtga cacaacacaa cacagccgcc cttggaatta accatgaaag gcgtgttttc 120
 ggcgcccggg gatacgtcca cttcaagtcc caagtccttc ttcacaaaat tcctataggc 180
 actaagcagt ggcggtatta cgatttcggg ccaaagccg tgctccgct tatatgtctt 240
 cctgg 245

<210> 23104
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910092H1

<400> 23104

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 ccaccgagac catgaacatc ccggacggcg tgagcatcaa agttcatgcc aaggtcatcg 120
 aagttgaggg ccgcgggaaa attggtgcca gacttcaagc atttgaatct cgattttcag 180

cagagcctct ggctggcttt cgttccaaaa aagaatactt gttcggaaaa attgacatgc 180
 atntcaaagc tegtgcctgg taactctgct ggaacagtca ctgcctatta tttatcttct 240
 ctggggccta ctcatgacga 260

<210> 23108
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700910062H1
 <400> 23108

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 gtgcatcact gtcattccacc tcatctcgtc tcacctcagg gtttgtgaaa tcgccagtga 120
 gtgctaggaa tccctgaggc aagctgtggc aatgggaaat gggagggtta catgcttcga 180
 gaggaattgg ctgcgggcag attacagtgt gattgggttt gggttgattg gttggctagc 240
 accctcaagc gtaccggcta tc 262

<210> 23109
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700910022H1
 <400> 23109

tctcgagccg attcggctcg agggctctcca ccgtgcacgc catgtacggt tctcagggac 60
 tctgagccac cctccgccgg aagcggttca tcccgaatac gacaccgttt tgcaggggct 120
 gttgtcgttt aacaatgcac gggctcgccc ttaccatta acccttacct ttactttgcc 180
 tacagaagcg accctggcag agctgataac cttgcttttt gcctttttcca gcctaacgct 240
 ggcagagttg actccaacac caacctc 267

<210> 23110
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700910024H1

<400> 23110

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 cagagaaacc acagttcgga gtatgtacgg tatttcgaag cttaaaggctc tgatggaacc 180
 tctgcacttc aacacttcaa gatttgagtt gaattgggtgt gtgggtttatt tagcacaata 240
 aatgaataga ttagataagt tgga 264

<210> 23111

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700910025H1

<400> 23111

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 acctcatatg cattctatgc cacaatcacg ctccaagtt actcaagtgc agtctcatga 120
 aatcaaattg aacctcatg caaacaacaa atatgctagg ctctgtagca acaatgcagc 180
 agaataatat ggaggcatg cagcataatt ctctgtctgg tgtatctaca gtacaacaga 240
 gtaagatgaa ttcaatgcaa ccaagtacc 269

<210> 23112

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700910027H1

<400> 23112

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 tctgcataag gaaacattag ggaagttctg ccacctgatt atgaaaagga ggactgctcc 180
 acccctagtt tgggtgtttt acaaggatgc ctttgcatga attatgatta caagaaaacc 240
 cattttgttg tgtggatgat gaag 264

<210> 23113
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910029H1

 <400> 23113

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 aagatggaag ttagtcacac agcaagtttt tctgtgaatt ttgtggaaag tatgctgtga 180
 agaggaaagc tgtgggaata tggggatgca aggactgtgg taaagtgaag gctggcggtg 240
 cttacacttt gaataccgc 259

<210> 23114
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910030H1

 <400> 23114

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 tttgaatttt caattttgtc tgtattcttt ccttgatgat tgcttaagaa aaatccttat 120
 taccatcttt ttattttcta cacatgggga cggacaccgt atattgatgat gagaatcaat 180
 ctagtacta ttgttctggt tggccttgca tacatatgtt cggataataa tcattaatga 240
 taaatgatac ctccagtttc gat 263

<210> 23115
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910031H1

 <400> 23115

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 tggaactgca gctaccacag caagtgttct ctcaaatact gtggatatac ccacttctgg 120
 gttgaagcct gctatccatc agttctggtg tctacacctt cacctgatgt gacagcttca 180

tggactacac ccacaagtgc agtggggttca ttaccttctg ggtttggggtt gaagccttca 240
aatccatcag tttctttatt g 261

<210> 23116
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910035H1

<400> 23116

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cttctttctc ttcattttct tcgctcttcg atcttcgtcc ggggactgct ccgaatacca 120
ccaccacgac tgccgatggc cacgatcgga ggcttacacg actcccaagg ctctcaaaac 180
agcgtcgaaa ccgaagccct cgctcgattc gccgtagacg aacacaacaa gaagcagaat 240
tcgcttctgg agtttgctag g 261

<210> 23117
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910036H1

<400> 23117

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ccatatatgc tacagtgatg ggaagcttga tactgctctc tgcgattggc tcgatgtgcc 120
attgtgtcat tttcacacgc tcgtggagac tacactgaga cccgagagtc tatcgttcgc 180
catgtctcat gcatcagtcc atgcgatttt gaagagtgca tacaacagag tgtgcgcgct 240
gcagtctgta gtgtagtt 258

<210> 23118
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910037H1

<400> 23118

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 agtgactagt ggttatcttg gtgggtgtgc tctagaatgt acattggcat tggtttttta 120
 gtacctaata ctatggatca caaatttgaa tttgggatgt actctgttct ccacccattt 180
 ctggtccgtc ttatgtctct cacgtgccat ttcaggtcct ttcaaggta atggagttcc 240
 tttgagacgt gtgaatca 258

<210> 23119
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910040H1

<400> 23119

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 tctcatctct tccgccgtgg gtacgcctcc gagccgggtgc cggagcgcaa ggtagccgtt 120
 ctcgggcgccg ccggcgctctc gggcagcctc tctcactgct catgaagctc aatccccctcg 180
 tttcgagcct ctccctttac gatatcgccg gaactcccg cgtcgccgcc gatatcacc 240
 acataaacac cagatctgag 260

<210> 23120
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910041H1

<400> 23120

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 gatccttctc aaaagaagaa aatttaaag gcaactgaaa agcttagagg ttgtgcaaag 120
 ttttttgcaa gctctaacc ctttggcca tgatctcttt accaatt 167

<210> 23121
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910045H1

002220 ETTES0

<223> Clone ID: 700910050H1

<400> 23124

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 aataactcca ttatctctca ctctttaa atctcaacgcc gctcccactt ctctccctct 120
 ctattgcagc atgtgtcttc ctccaacac attctggta cgggtgggtgc cggtttcatt 180
 ggcacccaca ccgtcgttca gcttctcaaa gctgggttca gcgtttcaat aatcgacaat 240
 ttcgataact ccgtcatgga 260

<210> 23125

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700910052H1

<400> 23125

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 ggtggacatg tggaggaggt tgacatggcg gtagcagcg tggcgctgaa gcacttcgac 120
 gacctaatac agccatcctc gtcaagaaga acacaccgga ctgggtcccc ttcgtgcccc 180
 ggtctctctt ctgggtccca ccgcgcctct ctccctccaa cgtcgccgac ctctccaca 240
 agctctccta cgaggaccac cgc 263

<210> 23126

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700910053H1

<400> 23126

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 caactttaat tcttcattct tcttctctct ctttgacaag tgtcaacaat tctctgtct 120
 cgttccgtct ccgataccgt acgattttct ttgaggggtt gatcgcgccg atgtctgttt 180
 accacgaaat cggaggctct tcatccatca tcgggttccg atcctgcttc accaaccgcg 240
 ccaggcttcg ctgtcccgt aa 262

<210> 23127
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910054H1

 <400> 23127

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 atacatatcc agcacaaca attttgttgg gaggcagaca tgggagtgtg atcctgaagc 120
 agggactcca gaggacgagc ccaggttgaa gcagctcgta aggatttcta ccaccaccgc 180
 ttcaagggtca agccctgtgc tgacctcctt tggcggttttc agattctgag agaaaataac 240
 ttcagacaaa caatacctag tgtg 264

<210> 23128
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910055H1

 <400> 23128

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 ccgtggacgc gcattttccg gcgaccggcg agcttccaac gttccgcgag gcgccggcat 120
 tccgcaacgg aaggaatgcc gcaaccgccc gcgaagcgac tccgtgatcc acatcgcgat 180
 gacgcttgac gcgacctacc tccgaggctc cgtcgccgga gtgttctccg tgctgcagca 240
 cgcgtcgtgt ccggagaacg tcg 263

<210> 23129
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910056H1

 <400> 23129

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 cagtgggtgag cagatcatatc tacacgagca ggtcgaagaa accgagcctg tactcgaaaa 120

acacaacata cgattcctct naatggggat gtgct

95

<210> 23144
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700909993H1

<400> 23144

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ttgctgaaag agtgatggta actcgacttc acctttatgg taaatgggtc aagaaatgta 120
accatgctga gatatatcaa gaaatctctg atgaaaactt ggagttaatg agggaacggc 180
tcatggagac agtaatatgg cccacagatg acacaaacac agaaaagatt ggttgataat 240
tcatctcaaa tttt 254

<210> 23145
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700909994H1

<400> 23145

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octacgggtga tcatacctgt ataataacaa aacaacattt ggaacctaac ttgggtgggc 120
tcaactgttga gcaggctatc cagtgcgaaga agctgttcat cttagatcac catgactatc 180
tcattccata tttgaggaaa ataaatgcaa ctaccacaaa gacttatgct accagaacca 240
tatttttctt gaaaagtgat g 261

<210> 23146
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700909995H1

<400> 23146

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ttctaacaaa aattgtctct cttttttaat aatctttgaa ctggccttat tgtttcagta 120
tatcaaatgt ctgaattgct tgattagctc ctggcgcgcca tggttcataa acaaattttg 180
agctttctgt ctccctgatt acattttggt tattccggcc agccttatgt caaatgtaaa 240
ggatgcctta gtgactagtt g 261

<210> 23147
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700909996H1
<400> 23147

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caccattgca aagagatttg cacagttgtc aatggcatat aagggagaag tgcaagcgac 120
tgtgaccact gttgttcctc ttccccctga agaggaaaag gcattgaagg agactcttca 180
ggaaataata ggttctggag cgaagggttca tcttgaacag aagattgatc caagcatact 240
tggtgggctt gtgct 255

<210> 23148
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700910001H1
<400> 23148

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accacgtttg ggtttgtgta ccacattcca taacataaacc ttgttgtcct caaattccag 120
ttgttggatt tgtacagaag gtgaaaatgt tttggtttag aaaaacacca gcaccaactg 180
aatcagataa gaagacaacc cttactgcag aaaaaagaac tgcttcagaa cctgtcctgc 240
cagttccaaa atctaaagga aact 264

<210> 23149
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910003H1

<400> 23149

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gtgacataag gccatctggt ttgtgcttgt gttgtgtaac aatcaaggca tgaaaccttg 120
tcttatctgg atcttgaggt gatggataca tctatggaat tctctgcatt ttatcaagaa 180
tgaagacagc agtgagtgtg agtggttcctc acgatcacat catactatta tctgattata 240
attctgtgct ttagcttgtt t 261

<210> 23150

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700910006H1

<400> 23150

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ttcctatattt cattttcatt tcaacttaac gttttcatgg gtattcgctt ttcgtcctcc 120
caggcggcgc cgtcggatcg tcgccggcgt cgagtttgtg cgaattgccc gagagtcgtg 180
tcgctcagat catgacctac atggatccgc ccagatttg caagctcgta accctcaatc 240
gggctt 246

<210> 23151

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700910008H1

<400> 23151

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gttcaaggaa gccttcagct tgttcgataa ggacggcgat ggttgcatca caaccaagga 120
gcttggaact gttatgcttc attgggagca aaaccaact gaggcagaac tccaggacat 180
gatcaatgaa gtggatgctg atgggaatgg taccattgac ttccctgagt tcctaaacct 240
catggctagg acgatgaagg aactg 266

<210> 23152
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910010H1

 <400> 23152

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 cctttgaacc ttatcctcag ttccatcata agtattctct tactgagtca aatttgata 120
 cgttatcagc ataacgagtc ttaaacacgc ggtgtggatc cccaggctat gtggcacctg 180
 agctgctatt gagcaagggg tatgatggag cagctgctga tgtttggtca tgtggggtga 240
 tcctttttga attacttgca ggct 264

<210> 23153
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910011H1

 <400> 23153

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 actactcttc ctctagcaag ccaagaagg agtttccatt agccctttgc aattgatcac 120
 acaccactt gaccctaac aaagcaagaa atcaccctcg tccaagccac agtcctaaag 180
 agatacccca caccaccaa ccatgtcttc ttccactacg tcggcctcgt agatcccgac 240
 aagaccacg tcctaaagtg ggcctcct 268

<210> 23154
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910013H1

 <400> 23154

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 cagaaacttc cacacttact ccatcatctg gaagcccaaa cacatgcata ttcttggtgg 120

<400> 23157

gaggcatgcc aagtgggtcg aattgcttga gcaattcccc tatgtgatca ggcacaaaaa 60
aggtttgcct cggcctaagg gaggaagga ctcgattttt gtggtggttg agaggttatc 120
taagatggct tactcatagc ctataagaag ataagtttgg gcagggttaa gcagaatatg 180
tcaagaagtt gcatgagaaa accaaggccc aaattgagaa g 221

<210> 23158

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700910020H1

<400> 23158

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gggtgttata aggcacaaga gtattcgccc tgccttctcc gcaatcagac acttgtcttc 120
tgcagctaaa gagtactgtc agggaggctc tgaactccgc actcgatgag gaaatgtcag 180
ctgatcctaa agtgttcttg atgggtgaag aggttgggga atatcagggt gcatacaaga 240
tatccaaggg gctgctcgac a 261

<210> 23159

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909974H1

<400> 23159

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tcaaaccaca catcgttttg ttcgattttt ccacatattg gctaccaaac ttggctcgta 120
gtgtaggaat aaagtctctt cagtactgga ttattagccc tgcaacagta ggttacatgg 180
catccccagc tagacaaaga gaagatgaca tgagaaaacc accttcaggg ttccttgatt 240
gttccatcaa gct 253

<210> 23160

<211> 259

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700909944H1

 <400> 23160

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 tcatccatgg ctgcctccgt ctccactgtc ggagctgtca acagagctct tttgaacctg 120
 aatgggtctg gacctggggg ttcagctccc agttcatcct tctttgggag cagcttgaag 180
 aaggttattg gctcaagggt cccaacaca aagatttctt ctggaagctt caagattgtt 240
 gctgtagaag agaagaaag 259

<210> 23161
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909945H1

 <400> 23161

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 aaagtagcca tagtcaccgg aggtgcaagt ggcatcggcg aacgacggcg cgtgtgttcg 120
 cggagcaagg cgcgcgatg gtggtgctcg cagacatcca agacgagctt gggaatcagg 180
 tggctgcgtc cattggaacc cagcggtgca cctacatcca ctgcgacgtg gcagacgaag 240
 aacaagttca aaacctcg 258

<210> 23162
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909946H1

 <400> 23162

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 tgtcaatgaa gttgtacgct tcccttacct ttgtggtgtg gcttttcatg gccacatcgt 120
 ccctagccca atacgttctc gacacaaacc gcgaacgcgt cgacagcgat gatgagtact 180
 acatccggcc agccataacg gacaacggag ggcgtttcac attgatcaac agaaacaggt 240

cgtgtccttt gtacgttg

258

<210> 23163
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700909947H1

<400> 23163

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tccacacacc atattctttt catancaaaa ttccaatttt ccttcacaaa gaacacaaca 120
caaacatgta gactcgcacc tctgcctcaa tctctgcaac atggattcca tctttctctg 180
tcttttctta cattattggt atgctcgtca caagcaggat gtaggatcca acagaatcaa 240
acttggtgct tctttcgcac atca 264

<210> 23164
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700909948H1

<400> 23164

caccaattaa gctttcaaga gacaaactgt tttgaaaaat gggatccaag gttcttgcatt 60
ccgttgccct tctcctctcc atcaacatcc ttttcatttc catgggttagc tccagcagcc 120
actacgatcc accgccccca ccttgctacg tccctgctcc tttaacacca ccaccatcat 180
tgtcaccacc accgtcattg tcaccaccac caccgtccag acctagtgtg ccggatctga 240
gtgtttgcct caatatttta gacggg 266

<210> 23165
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909949H1

<400> 23165

atcgacgacc acaactccgc ggaggaccga acctacaagc tcggactgaa ccggttcgct 60
gatctcacca acgaggaata cagggccaag tacttgggaa ccaagatcga tcccaaccgg 120
aggctcggaa agaccccgag caaccgctac gctccacgtg tcggcgacaa attgcctgat 180
tccgttgatt ggaggaagga aggtgctgtt cctcctgtca aagaccaagg aggctgtggg 240
agctgttggg cattctcagc aat 263

<210> 23166
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700909951H1

<400> 23166

cacgcacacg cttgtataat tatgtgtgaa tcattctgtt tttttggctg gtaattgatt 60
tttgaaaaaa ggtagaggca atggaatgat acccgtattt tgtaacaaca tccggcatga 120
attaatttgc taaatgcggt gtcagtggga gcggtggggc gtggcagacc aaaatgatta 180
taatgattcg gtggtggagg aatcactgac tgtgatgggc caactccatt ttctaccaaa 240
agtgccgttc ccagaccc 258

<210> 23167
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700909952H1

<400> 23167

caaaaagaaa gaatcccagg cgaggagaaa gatggagggg aaggagcagg atgtgtcgtt 60
gggagcgaac aagttccccg agagacagcc gattgggacg gcggtcgcag agccaagacg 120
acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgaccgcagc gagtttacgt 180
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcaccgtctt aa 252

<210> 23168
<211> 254
<212> DNA

<213> Glycine max
 <223> Clone ID: 700909953H1
 <400> 23168

caaaaaaacc ctctctttct ctctcttcca aaaccttaatt ttcatttttt ctcttcaaac 60
 aaattttcaa aatgcgtgag atccttcaca tccaggggtg ccaatgcggc aaccagatcg 120
 gcgccaagtt ctgggaggtg gtttgcgag acacgggacg gacccactg gaaggtagcg 180
 ttgggactca gagcttcagc tcgagaggat caatgtctac tacaacgaag ccatctacgg 240
 ccggttcgtg ccgc 254

<210> 23169
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909954H1
 <400> 23169

gagagaaaca aagcagcacc catttggatc ctctcttctc ttctttgatc tccgttacct 60
 tttttgtttt ctcaacagag agagagagag agaattcttc gaagttagtt tgcgtgtgtt 120
 gtgtggtcag tcaccgatgg cagcaccacc tgcgagggca cgtgccgatt acgattacct 180
 catcaagctt cttcttattg gcgatacggg gtgggaaaga gttgtctgct tttgcatgtt 240
 tctgatggtt cc 252

<210> 23170
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909956H1
 <400> 23170

ctaaaatata taggcctaa tatgatttag cgtaagtgtt gttttttgtc actagtacaa 60
 tatgctatat tgatgatcga tttttgaaat ttttgcgata ttggtctcat tttgtaaaat 120
 atagtgatct taatctatct gttaatttgt caccatcac tcaatggaga tgttgacatg 180
 tacatatggt tggatatggt gcg 203

<210> 23171
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909957H1
 <400> 23171
 ctttttgttt gtttgcagga gctgtttttg ctgtcaaaat aggtgagtta attagtatgt 60
 gttataatag tttagacattg ttattactat tgattatatg atgggatgca ccactttgtg 120
 tctttcactc ttctaataat taagaatggt a 151

<210> 23172
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909958H1
 <400> 23172
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 cgctgctact catgttttca tgctccatcg tgcatgttct tcgttcacta caagcaagaa 120
 tgagaagaaa atcaaactac aatcttccac caggaccctc tctgctcacc atcattagaa 180
 actctaaaca actctataaa aagccacagc agacaatggc caagcttgcc aaaacctatg 240
 gccccataat gcg 253

<210> 23173
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909959H1
 <400> 23173
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 aaggaaaagg ttcatatcag tattgtggtc attggccatg tcgactctgg gcaatccact 120
 accactggtc acctgattta caagcttgga ggcatgaca agcgtgttat tgagaggttt 180
 gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa 240

gggtgttata aggcacaaga gtattcgccc tgccttctcc gcaatcagac acttgtcttc 120
 tgcagctaaa gagattactg tcagggagggc tctgaactcc gcaactcgatg aggaaatgtc 180
 agctgacccct aaagtgttct tgatgggtga agaggttggg gaatatccag gtgcatacaa 240
 gatatccaag gggctgctcg ac 262

<210> 23177
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909966H1
 <400> 23177

ctcctactgc ctccccgcca cctccagctc caccggccgc ctctccttcg gcaccaccac 60
 cacttcctac gtcaagtaca ccccttctc caccatctcc cgcggtcct ccttctacgg 120
 cctcgacatc accggcatct ccgtggggcg cgccaaactc ccagtctcct cctccacctt 180
 ctccaccggc ggtgcaatca tcgactccgg caccgtgatc acccgctcctg cccccaccgc 240
 ctacaccgcc ctccgctcc 259

<210> 23178
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909967H1
 <400> 23178

gcttattatg ggatgagcac aaacctgggtg ctttatttta agaagcggct acatcagcat 60
 agtgctattg cttccaagaa tgtctctaata tggagtggaa cttgctatat cacaccattg 120
 gttggagcat ttttggctga ttcctacctt ggaagatatt ggacaattgc tgttttttca 180
 ataatttatg ctattggaat gacactgttg acattgtctg cgtcagttcc tggcataaaa 240
 ccaacatgtc atggac 256

<210> 23179
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909969H1

<400> 23179

gcgtttttctg cgtcatctcc gattccccga caatggccac ccaaagagc aagaagagaa 60
agttcgttagc tgatggagtg ttcttcgctg aactgaacga ggttctgaca agggagttag 120
ccgaggacgg atactccggc gtggaagtta gggttacgcc gatgcgcacc gaaatcatca 180
tcagagccac cagaacccaa gccgttctcg gtgagaaagg aaggagaatc agggaaactta 240
cctcgggtggt tcag 254

<210> 23180

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909970H1

<400> 23180

taataatcct gtttaattaa ctaaaggcta gtttcataac tcttcccctc accccaccaa 60
atcacccctc ttagtttcct ggtattcttc ttccacgtag gtttaatttt gaggacacaa 120
gagttttcaa agcatcattg gtgggtggatt gaaagacttg gtgagtgaca tcgtacacat 180
gggaagacac tcttggtgct acaaacagaa gttacggaaa ggcctttggt ctccagagga 240
agacgagaag cttct 255

<210> 23181

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700909971H1

<400> 23181

ctgcaaagga ttctaccgc cgctcgatgg gaattgcgct tcaaggcgtc tcgtagggct 60
aatccgcctc acgaggggtca ccaacggcac gtgcctttgg ggggccgagg cccctactg 120
ctggtcggca aacggacggc gggcgcacgc gtcgcttcta gcccggattc tgacttagag 180
gcgttcagtc ataatccaac gcacggtagc ttcgcgccac tggctgttca accaagcgcg 240
atgaccaatt 250

<210> 23182
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909972H1

 <400> 23182

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 ctgggtgaat gaggactcta cttataaata ctttgaggtg attctgggtgg atgtgggtca 120
 tgctgctatt agaaatgata ccagaatcaa ttggctcgcc aatccagtgc acaagcacag 180
 agagctgcgt gggctcacct ctgctgggaa aagcaacagg ggtttacgtg gcagaggaca 240
 tctgtac 247

<210> 23183
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909973H1

 <400> 23183

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 gttcttctat aataaaggaa ttagcagaca agatagtga aatgagtcaa cagaagtttg 120
 cctccaatgt tgtggagaaa tgtttgacct ttggaggtcc ttctgaacgc caattactag 180
 tgagtcagat gcttggcacc acagatgaaa acgaacctct tcaggcgatg atgaaagatc 240
 aatttgcaaa tt 252

<210> 23184
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909943H1

 <400> 23184

 ggcttttgca atactcccca agtctccggt gcactgagct tgaagcatgt gcacatcctt 60
 tctttgatga acttcgtgaa cctaagtctc gcttgccaaa tggctgtcca tttcccccctc 120

tattgaactt caaacaggaa tgatctggag catcttccga gcttgtaaat aagttgatac 180
 ctgaccatgt gaagcggcaa atggggatac agtttatgca tctgggagga tcgtgacgat 240
 acagcttacg ggacat 256

<210> 23185
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909903H1
 <400> 23185

gtgtacatag agagattagg ccaagtcgat gccacgaaga tgatgcaagt cacaaccatg 60
 gatcgctaca tcaaatacca cgtaaaggag tttgagagga catttgatgt taagtttgca 120
 gcttgttcaa ttgctgcaaa gaagcacata gatcaaagtt caactatcct ggacgtgcag 180
 ggagtggggc ttaaaagctt cagcaaacat gctagggaaac ttgttactcg ccttcagaag 240
 attgacggtg acaactatcc 260

<210> 23186
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909904H1
 <400> 23186

gttcgttgct actgcagtcg ccaccgacac cagagctgtg ggagaactcg cggaatcgc 60
 ggtgggagcg actgtgatgc tcaatatact catagcaggg ccagtatccg ggggctcaat 120
 gaaccagta agaacactag gtcctgctgt ggcggcaaac aactacaaag ccatatgggt 180
 ctatctagta gctccatac ttggagcttt agctggggca ggtacctaca ctgcagtgaa 240
 gctgcctgaa gaagatga 258

<210> 23187
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909906H1

<400> 23187

cgctctgtta ctgtctctgt gtttgcggct gaggattccg aacgagcgac cttcttcggt 60
tctcgcaaag ttttaagtcac catgggtaag gaaaagactc acatcaacat tgtcgtcatt 120
ggacatgtcg actctgggaa gtcaactaac actg 154

<210> 23188

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 700909907H1

<400> 23188

gtttttgtcg atagaagcca tcagtcattg ataggcttct atcatcgtct tcacccctt 60
cttttacatt tctcactcga ttcgaatctg caactgcaag attcaatttc tctccgtcaa 120
cacgttctca ctctcacttg aagcggctct cctca 155

<210> 23189

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909910H1

<400> 23189

atttcaatac ccttgctggg acacgcgcca tatctccgtt cactgctcca ccaagcattg 60
tacaggctat cactgcgcta tggacccttg atccacgtca tgatcggttc gaagcacgtg 120
gtggttccgt cgtcggcgga gacggccaag cagatcctca aaacctcgga ggaggcattc 180
tgcaaccgtc ccttaatgat agcgagcgag agcctaacct acggcgcggc ggactacttc 240
ttcatccctt acggc 255

<210> 23190

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700909912H1

<400> 23190

0033E0"E.T.F.E.560

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 tttattctcc atacacatgc agacactaag ttcgaacaag ttcaggagcg gcatggattt 120
 cttccaccgc gcgaaggcgg tgcgcctccg cagccaccac gacaagtacc tcctcgcgga 180
 ggaggacgag gagtcggtga cgcaggaccg caacggctcc tccaaaagcg cacggtggac 240
 ggtagaatac gtggccgaat 260

<210> 23191
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909913H1
 <400> 23191

aatggaagtt ctatgttgcc ttttctatca tccgggcagc tccaattcct gcaggagtgt 60
 ataatagatg ggtaaggggt aatgcatcgg gcggtgaacg tgctcgacac acagaagtac 120
 ttacaaatgg ccttatagat actgcgtgga aatttattga acacaaatct gtgcttcctc 180
 agcatccacc ctcagatgca aacgctcaag actattccaa agagttaccg aatgggactg 240
 atatcacagg tcctctc 257

<210> 23192
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909916H1
 <400> 23192

gagcaccaat tacgctttca cgagacaagc tgttttgaga aatgggatcc aaggttggtg 60
 catccgttgc ccttctcctc tccatcaaca tccttttcat ttccatggtt agtccagca 120
 gccactacga tccatcgccc ccaccttggt acgtccctgc tcctttaaca ccataccat 180
 cattgtcacc accaccgtca ttgtcactac caccatcgtc aggacctagt tgtccggatc 240
 tgagtgcctg cctcaatatt ttagacggg 269

<210> 23193
 <211> 262
 <212> DNA

002250-ET-56

<213> Glycine max
 <223> Clone ID: 700909917H1
 <400> 23193
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 cgcctcacga gggtcaccaa cggcacgtgc ctttgggggg cggaggcccc ctactgctgg 120
 tcggcaaacg gacggcgggc gcacgcgtcg cttagaacct ggattctgac ttagaggcgt 180
 tcagtcataa tccaacgcac ggtagcttcg cgccactgac ttttcaacca agcgcgatga 240
 ccaattgtgc gaatcaacgg tt 262

<210> 23194
 <211> 138
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909919H1
 <400> 23194
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 tgattgctct ttggagaatc gaatcgagtt aatttcggat cgtgtgagtg tccgatctag 120
 aaatccacaa gatcaatg 138

<210> 23195
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909920H1
 <400> 23195
 ggcctggcag gactcactgc tgccacaact acttatccat tggatcttgt aagaacacgg 60
 ctggctgcac agacaaattt tacctactac agaggatatct ggcattgcttt acacacaatt 120
 agcaaggcag agggaatatt tggcctttat aagggaacttg gaactacact cttgactgta 180
 gggccaagta tagctatcag cttctctgtg tatgaaaccg tgagatctta ttggcagtca 240
 aatagatcgg atg 253

<210> 23196

<211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909921H1

 <400> 23196

 atcgcgagcc gccgtccttt tttttttttt tttttttttt tggggcgtgt ttaaaagttt 60
 accccatttt ttccatgtga cttctttggg gttttttgta aattttgttg ttttggaat 120
 taagcccccc ctgggggttac cgtttgggga ttgtttccac tgtccaatgg ggggggattt 180
 ttggcaaata tccaatttag ggggggacct ttaatgtcct atgccccgta attttgggac 240
 tt 242

<210> 23197
 <211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909922H1

 <400> 23197

 gccggaagga cggaggattt tctctctcag gtcggcctct ccacgctcca cagcgccgtc 60
 gcggttctca aatcctgcca aaagattctc ccttcgccg ccgaggtcaa cgtcgttgac 120
 cgctgcgttg aggtcatcag ctgcaaggct tgca 154

<210> 23198
 <211> 161
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909923H1

 <400> 23198

 ttggaatcca aaaatgagag acatcatcag cattcacata ggtcaggccg ggatccaggt 60
 tggcaactcc tgctgggaac tctactgcct ggaacatggc atccagcccc atggcatgat 120
 gccaaagtac tcctccttcg gtgtgagcct cagcagcct t 161

<210> 23199
 <211> 250
 <212> DNA

caaaatggag gtggaaaact aagaactgtg agattccaag gtttgatgtc cgtggaatac 120
 tcgaacgact tcgtgggaaa aggggtgggtt tcgtcggcga ttctttgagt aggacgcaat 180
 gggagtccat gatatgtttg ctaatgacag gagttgagga taagaagagt gtctatgaaa 240
 tcaaaggcaa caag 254

<210> 23211
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909902H1
 <400> 23211

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 aatccctttt ccgatttcca ccaaaatcta aacccaaatt cccaattacc ctccccaatt 120
 ttcacaaaaa cctaatactc ccacaccaat ctctgatgct ggacgccgat tcacaacctc 180
 aacaactcga agagagaaca gaggagcaag aactgaagta cctggaattc gtgcaattcg 240
 cgaccataca ggctctgatg cgct 264

<210> 23212
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909942H1
 <400> 23212

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 cgtatcagag atccaaactc agttctccaa ctctctgatc tcaacttcca cttcagcttc 120
 aagtcgcatg gccaacgacg attgctgcgc cagc 154

<210> 23213
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909851H1
 <400> 23213

09330-0330

gtgacaagag ctttgggtggg aacaggtggc caagacaaga gactttggct ttgttgaaga 60
 tacggtcgga tatggacgtg gcttttagag acgcaagtgt aaaggggtccc ttgtgggaag 120
 aggtttctag gaaactggca gagcttggct accacagaaa tgccaagaag tgcaaagaga 180
 agtttgagaa cgtttacaag taccacaaga gaaccaaaga aggtcgaagt gggaaatc 238

<210> 23214
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909853H1

<400> 23214

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 actgtctcca tactcttggg aaatggaaac cccgttcagt gcttcgacgg cggtagccac 120
 caaaaacagc aacacagttt gtgtgaagag ctcatatcc cctacggtta cccctgctcc 180
 gagcatacga ttcaaacgaa ggatgggttc ttgttaggtc ttcaacgtgt ctcttcttct 240

<210> 23215
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909854H1

<400> 23215

ccgcaacaga gagtagaaaa gatggcgcggt ttgatcacag tgggtgtggtg cgcggtggcg 60
 gtgctactgt gcgccgcggc gggcgcgctg tgggtggagg aggcggcgaa cccgatacga 120
 atggtggcggt ggggtggaggc ggaggtggtt cgggtgatag gggcgtgccg gcgcgcgctg 180
 aagtttgcta ggttcatgag caggttcggg aagagttacc gaagcgagga agagatg 237

<210> 23216
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909855H1

<400> 23216

09853H1-09854H1

ctcccactct cgtatcatga ttctgttgtt tctgctctcc ttgggcacag catcagaaga 60
aaagaagaca acatacatag tgcaagtcca gcaagaagcc aagccttcca ttttcccaac 120
gcacaggcac tgggtaccagt ctcccttgc ccttgccgac agc 163

<210> 23217
<211> 71
<212> DNA
<213> Glycine max
<223> Clone ID: 700909856H1
<400> 23217

ctgattgttt ttattcccca taaaaataac agtttattat attgttatta tgataaatac 60
aaaagaaaaa g 71

<210> 23218
<211> 235
<212> DNA
<213> Glycine max
<223> Clone ID: 700909858H1
<400> 23218

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gcgccgcctc ccaagccagt gccatggaac gccgacctaa acaaaattaa tgaaatattt 120
gagagtgaga aaagtgggtc tgtggctttg gagaaggatg gtgaggttga cgatttgggtg 180
gtgagggagg aggtggagag ggcctcgggt taccgaaac tgggtggcgcc gccga 235

<210> 23219
<211> 234
<212> DNA
<213> Glycine max
<223> Clone ID: 700909859H1
<400> 23219

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cgacgacacg gtggacgact acgacgagta cgacccacc ccttacggcg gcggctacga 120
catcgccctc acctacggcc gcccatccc accctccgat gagacctgct accctctagg 180

agcctcttct tctgatgaca acttcgatta tgatcgccct caatacacct ctaa 234

<210> 23220
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700909861H1

<400> 23220

cagcaccagc cgaaagccaa gaaaaagctt tcgatccctg taactgcgtt cgactattta 60
gggttttttc ggagacaatg gcggatgaat cggagcacac ggcggcgccg gctgccggcg 120
aatcgctgct cgacaagatc gccgagaaga ttcacggcca cgacgactct tcctcttctt 180
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<223> Clone ID: 700909864H1

<400> 23221

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gaatagcaat ggctgagaag acggttttgc atttcttgc cacactcgta cacttatttg 180
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<223> Clone ID: 700909866H1

<400> 23222

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cttggaaagag gtcataata atttacaac tgataatgaa ttgcagatac aaaaacatac 180

0953113-032200

tcctaacgtg aagtacacag agactgagat tcagtcctgt tacaactatg aaaccactga 180
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<210> 23226
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<223> Clone ID: 700909873H1

<400> 23226

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cacgtcgaga ggtacttttg gacattgggtc aaccagccta acttccgaaa gatattaggt 180
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<210> 23227
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<212> DNA
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<223> Clone ID: 700909874H1

<400> 23227

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ttcgcttagt tgatccagca aaaggttata ttcttataga tgggattaac atatgctcaa 180
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<210> 23228
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<212> DNA
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<223> Clone ID: 700909876H1

<400> 23228

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<212> DNA
<213> Glycine max

<223> Clone ID: 700909877H1

<400> 23229

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aaccaaaatc acctgcgcca gttgcttctc ccacttcate tctccagct gcattcccca 180
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<223> Clone ID: 700909878H1

<400> 23230

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actttctctc acacaaaaac acactcacca tggatcatcg caaaccattg ctaccactt 180
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<212> DNA
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<223> Clone ID: 700909880H1

<400> 23231

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ctttgttccg gggccggtta acatcccga ccagatcatt cgggccatga acagtaacaa 180
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<210> 23232
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<212> DNA
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<223> Clone ID: 700909882H1

<400> 23232

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ccatcaaaac cctcccttca gatcaacctt ccaaagggcc tcatagcctc acccgaaagc 180
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<223> Clone ID: 700909883H1

<400> 23233

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ggccaggccg gtatccaggt tggaaacgcc tgctgggaac tctattgcct tgaacacggc 180
attcagcccc atggacagat gccgagtgc aagaccgttg gcggaggaga cgacgcc 237

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<223> Clone ID: 700909884H1

<400> 23234

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<211> 231
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 tggctaccct attggctggg accgttacca accctttcgg gaatggctac ttccaaggac 180
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 <223> Clone ID: 700909850H1

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 gaaagttcag aaggctcttc tgcaatccga tgtgcactca aagtcagaca aaagtcctgt 180
 cacagtggct gattatgggt cacaagcatt ggtcagcttt atacttgaga gagaacttcc 240
 tt 242

<210> 23240
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 <223> Clone ID: 700909894H1

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 gaaattaata ggctaaatgt agatctgtat aaagagtttt gtgatcttgt acagtagagg 180
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<210> 23241
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 <223> Clone ID: 700909895H1

 <400> 23241

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 catgacgatg actcagtgag ttgcactgct accgacccaa accttaacta caagccggtg 180
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<210> 23242
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 <223> Clone ID: 700909806H1

 <400> 23242

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gagagggaaa aagccagttg tagcaaatgg gtgcaatttg ttcctgggaa gttgggtggt 180
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<223> Clone ID: 700909808H1

<400> 23244

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<210> 23245
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<223> Clone ID: 700909809H1

<400> 23245

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<223> Clone ID: 700909810H1

<400> 23246

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094113-03200

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 acagggttcc ggcgaccatg tccgatgctc cggcgagtcc atgcggcggc ggcggcgag 180
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 caaaccgct gctaaaccaa aggcttctgc tgctgccaag cccaagcctg ctgccgcaa 180
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 <223> Clone ID: 700909821H1
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 cgatctggaa cggattccaa tagaggaagt gtttgagcag ctgaaatggt caagagcagg 180
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 <223> Clone ID: 700909822H1
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 aaaatctaca gctgctgctg aaccgctttt gctaaatgca gttcgcgagg tagatgttg 239

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<223> Clone ID: 700909826H1

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 ccttttcttc caattgcaga gtcaaagttt aaggcctaag ttctctcaac tctcattcaa 180
 cccacttcca ccatcaactt cttccgtttc ttcaccccgt acattcacia ccttggtc 238

<210> 23257
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 <212> DNA
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<223> Clone ID: 700909827H1

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 tatgaagggt tctataagac atcttggccc gtccatgatt cagcagatgc agcatgcttg 180
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<223> Clone ID: 700909829H1

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 tagaagtgag ggaagagaag aaggaaagtg aagt.gaaaga agaagaaaaa ggtcggggagg 180
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<210> 23260
 <211> 240
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<223> Clone ID: 700909834H1

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<210> 23261
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<223> Clone ID: 700909840H1

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 attctcaaca gctaccaact caaccgtgta cctctcgtgc tcagacattg atgaagatgg 180
 aacctcgttg tccccacata aagacaaaagc tttgttttct ccaaactt gccaaag 236

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<223> Clone ID: 700909841H1

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<223> Clone ID: 700909843H1

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<210> 23265
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 <213> Glycine max
 <223> Clone ID: 700909844H1

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 <223> Clone ID: 700909805H1

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<210> 23267
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<223> Clone ID: 700909845H1

<400> 23267

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<210> 23268

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700909846H1

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<210> 23269

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700909761H1

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<210> 23270

<211> 245

<212> DNA

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247

<210> 23273
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<212> DNA
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<223> Clone ID: 700909767H1

<400> 23273

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aaggcctcta tccgccccga catcgtcaat ttcgtacact cgaacatctc caagaacagc 180
cgccagccat acgccgtcag tcgtcgcgct ggtcaccaga cctccgccga atcctggggg 240
accggccgag c 251

<210> 23274
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<212> DNA
<213> Glycine max

<223> Clone ID: 700909770H1

<400> 23274

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<210> 23275
<211> 246
<212> DNA
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<223> Clone ID: 700909771H1

<400> 23275

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<210> 23276
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 <223> Clone ID: 700909781H1
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 gaaaaccata ttgaataagc tggaatggaa tttgactgtg ccaacaactt ttgttttctt 180
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<210> 23283
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 aaggttgtct tgtctccctt cactctcgcc ttcatattg caggctctgc tctcgcggc 180

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 gaatttgcta gggagacttt ggcattgtgc aacccatata gcatccaatt gggttaaggaa 180
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 ggaccgcga ccatcttggc cttcggcacc gccacgccgt ccaactgcgt ctccaagcc 240
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caccaccact tcaat 255

catgaacatt aaacttcacg cggagctcat gctaacggat aataagacca tagatgcacg 180
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 caaagttagg gttcgtctc tgggtggcgca acaatgccg agatcgacca ggcggcggcg 180
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<223> Clone ID: 700909748H1

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<223> Clone ID: 700909750H1

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aattgggggtc aatctcaatg agaatgggtc caacaatgat atagatgaca acaaga 236

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ggggacgttg ctgatgttgt gccttggtta ggtttcatct gatccaaaga tagaagaaga 180

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<212> DNA

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<223> Clone ID: 700909687H1

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<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700909690H1

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cactgatgct gaaaggactg acacgaagtt aggggcttct gattcaaaag ctggcaatga 180

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cgcaaggaga aggagactcg agagaaggag gaccagtact ggcgagaggc ggagggttca 240
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<210> 23342
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<212> DNA
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<223> Clone ID: 700909702H1

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ggaacaagtt ccgtctcggg c 261

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<210> 23346

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700909666H1

<400> 23346

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<211> 158

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053113-03200

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SECRET

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 tgaagtggag gggaagatca ctggctcagt cgaatcaaca acaaggttcc caagtagcag 180
 taccgccacc tgatcaatca tctactatcc ctcatcaagc tcagattggt tctgaacata 240
 ctgaaagtaa tt 252

<210> 23424
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909568H1

 <400> 23424

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 cagcagcttc aggatgagaa caaccctgac tttgtggctg aagttgtctc tctcttcttt 180
 gaagattctg aaaggcttct caaagatctc acctttgccc tagatcagaa tggcggttgac 240
 ttcagaaaag ttg 253

<210> 23425
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909569H1

 <400> 23425

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 agatgggccca agaaacatag ggccctattc actggcagag gctcagaaaa agtcgaaagc 180

tggaaaaaag aactaagcac tcaatcgtca acttgggacg tttctgaaac gtcaaagcct 240
gcctcaaaga c 251

<210> 23426
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909571H1

<400> 23426

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agagttgaga agatggtggt tgaggaaact gagctgaggc tgggactggg actatgtctc 180
cctggaaatg gaaccacggc aacaactgaa gctgctgctg cggaattagg agtgaggaag 240
agagggttct ctg 253

<210> 23427
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 700909573H1

<400> 23427

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agaaacaatt tttttacttc agagttctaa ttggccagag gcgctgaagc agcagtccac 120
agctgacagt gttgaatttg ccattacgct 150

<210> 23428
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909574H1

<400> 23428

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tggcagcttc cttatctgca caaatttcca ctatggcatt agagctatac cgtgagcaga 180
tgaaggggcg tgttgttgat tgggatttgc ctgagcaggc atctggccag caggaaatga 240
gagatga 247

<210> 23429
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700909544H1

<400> 23429

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aagaaagaag gcacttgatg atgcccttgc tcgacaagta gaactccaag ctcaaattga 120
caagaagaag aaaaagaaga acaagttgtt ccgcttccgc tgttttgctg cgtgatctca 180
aatgcatcag gaagagttgt aaaattggag gctttctatt tcgactgcct gtttgattaa 240
aaacctctgt 250

<210> 23430
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700909575H1

<400> 23430

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ttgttatatt atcacccatc aaacattcca cacttctccc cctccctttg aaaacacctc 120
aatcaatctc gatgatcatg gcagcactca attcaagcac ttgtgccata cctcaattcc 180
ctcacgtctc ctccctcact atctctgctg cttcatcatt agcaagagat ttgggcttcc 240
ccacaagg 248

<210> 23431
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909576H1

<400> 23431
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 cttgcaagca gcaaccaccg catccacccc ttacgcgctc cccaccaatc tccctctcct 180
 ctccgctttc ctctccttcg ctctcgacac gttcctcaag atcttcacct cctgggtataa 240
 ggaaaag 247

<210> 23432
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909503H1

<400> 23432
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 ctaatctctt cgataagtat gttaggagaa caaacattat aggggtgaggc aacccaattc 120
 accctctgcc gggtaccatc tcgttctggg cctgctgcat tacttgaggt gcatattaga 180
 gcaggagaag gagatgaaga t 201

<210> 23433
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909504H1

<400> 23433
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 ccgggttctt tcctttttcca cctgggtgtgc aatcccggtt ctttttcaag ttttttgggt 120
 tcacaaaaca aaaaaaatga cctcaggagg ggcccccccc cgtctagtag tcttcccccc 180
 ggttgatcat gccgcacgt tcccccaagt ggagcccgtt t 221

<210> 23434
 <211> 255
 <212> DNA
 <213> Glycine max

[illegible]

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gcatcaactg	catcgcacac	taaggctaga	atgcgttggg	ctccagaact	tcacgaggcc	120
tttgtggaag	cagttaatca	ccttggtggt	agttagaagg	ctactccaaa	gggtgtgttg	180
aatcaaattg	aagttgaaca	ggctacctat	ctatcatgta	aaaagccact	tcgagaagta	240
tagatctgcc	atata					255

<223> Clone ID: 700909506H1

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tgaagaataa	ccaatgacaa	ctcccatatt	tttgtatgcc	cattttaact	taatgcacat	120
actttcagat	tgtagccagc	tgttaaatca	atatagattt	tctttccaat	accattatat	180
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attgctctga	atg					253

<223> Clone ID: 700909507H1

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aagcccta	ttccccctcat	ttccatggcc	acagaggacc	ccactgtcgc	ggtggaacac	120
gctcccgga	ctgcctccgc	cgatcctccc	ccggaggaga	aggaggagac	caaacctgaa	180
gccaaaggta	agaaaaccaa	ggagcccaaa	cctaaaaagg	tttcagacc	tgcgaaccct	240
cccactc	cttc					254

<210> 23440
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909515H1

<400> 23440

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 cccatctttt ctaaattctt aaggaacgct ttgggacact aaagtttcca agattgtaga 120
 gagcacaaca gaatgagagg gaagacttga atcaggattc aggggtgaga tatttgagga 180
 tggttactta tgggtgaaagg tgggctgata aatagggagt aagcatggaa aatttggtga 240
 gcaaataag 248

<210> 23441
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909516H1

<400> 23441

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 taattgatct gaaggtagct tacaaggaaa atcttcccgt ggtgcttcac ggagtatgct 120
 gcacatttcc tgggtggaag aagatgggat aattggctgt actggagtgg caatctactt 180
 gattcaagca ttatttcgat tggttgaacc gggcagggat atccta 226

<210> 23442
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909517H1

<400> 23442

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<210> 23443
 <211> 253
 <212> DNA

003360 "E" T T E E 50

<213> Glycine max

<223> Clone ID: 700909518H1

<400> 23443

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tcttccacta tgcattgcgc atttctgcgc ttttgggttc ccttggtgct gcttgctagc 120
ttcagctatg ctctttctgt ttccggccaca actgaaattt cagggaatga agtgaacaca 180
gatgggaagg tgataaatga agagtttagca aaaccaagtc tactaggaca tgatgaagca 240
gcaaatttca aag 253

<210> 23444

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909519H1

<400> 23444

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ttttattccc tctcttggtc ctttccctat tcaagcagtc ccatgctgca ggaatcgcta 120
tctactgggg ccaaaacggt ggagcaggca ccttagcaga agcttgcaac actagaaaact 180
accaatatgt gaacatagcc ttcttgtcca cttttggcaa cggccaaact ccacacctca 240
accttgcaagg tca 253

<210> 23445

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909520H1

<400> 23445

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attagcctgg aagagatgag acaggctctt gccaaagatc ttccttgga attgaaagaa 120
tcacgtgtac tagagatatt gcaagcgata gacaacaaca ctgatggtct agtggatttc 180
cgggagtttg tagcggctac attacacgtg catcaattgg aggaagactc tgacaagtgg 240

cagcaactgt cacag

255

<210> 23446
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700909521H1

<400> 23446

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tcttccttga cccgccgtgc ctgaccaa atcagagaacag agtcctcttc gagcaagttg 120
tcaccgcaa gctcacctat ggaagtctca taggagtga gggctctccag caagaggagc 180
tcttcctatg gc 192

<210> 23447
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700909522H1

<400> 23447

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caggagttct agttcataca cttctgcagt aactccaggc tttggggata gccaaacaaa 120
atatggcagt gatcgatttt ctgtgtccag agatcggggg tttcaaggtc atagtaggga 180
atcaggtttg agtagaagca gaattccata taacaggcaa ccgtcatatg gtgttgga 240
tgagagcatca tataag 256

<210> 23448
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700909523H1

<400> 23448

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tctatctctt tctcattcta tctttcaaca tgggtggcat cagcctcgaa gaaataaaca 120

[illegible]

<213> Glycine max
 <223> Clone ID: 700909462H1
 <400> 23460

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 ctgttctccc caatgcttct cctcgctcct ctccctcacc cctaactcca aacctatttc 180
 catttcggcc gttttcctca aaacaacgct gtcgtcgctc tcgccgttgt cgctgtcgctc 240
 tcgcttcggt ccccatgtct ctgtgttggg gcagga 276

<210> 23461
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909463H1
 <400> 23461

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 tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaaag 180
 tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240
 tggaaagcac gtgccacgtg cagtgtttgt 270

<210> 23462
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909464H1
 <400> 23462

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 tatgacaatt gtttctagtt atgccagcat ggtccaaatt gttctgcttc ttcttttatg 120
 tatgcaagga aattctaata aaaactaagc aagaattatg gacttagggt taaaatcatc 180
 ctacaaagct agatttagat aatcacagca aaaatcctag atgtttgaat cattcctttc 240

tāacatccat attggcgaaa agatctgtac agta

274

<210> 23463
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700909466H1

<400> 23463

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cgaattaggc tatatatgaa tattttgaaa ttattatat agtctattaa atataatttc 180
tcaaaaatga taataaaaaa aaactcatag ttgatgatgt tcataattaa caataaaaag 240
ttgtaggtgt catgaacaaa acatacaag 269

<210> 23464
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909467H1

<400> 23464

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tctggtgggc tgtatgtatc tccaaccata gctggaagca ggcttggaag tcttattgcc 120
ggtgcatggg cagcgatgat atctctaggg aaagaaggat acttgaaaaa taccaaagaa 180
attatggaag ggtcaagaag aatacagcaa ggcatagagg agattgctga gttggttatt 240
gttggaanaac ccgcatgacg ata 263

<210> 23465
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700909468H1

<400> 23465

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ttcatttccc tcgcctccag aaattacgcc aacgtgccgg ggcaaaagga aaccaaagtt 120
aaggtccctc tggctttggt tggagggtca ggaaactatg actctgcttt gtatattgca 180
tctgtgaaag ccaatgcagt ggaaaaggtt gagactgagc ttctgcaatt tgttgaggca 240
gtaaagaata gtcccatat 259

<210> 23466
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700909469H1

<400> 23466

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gcttctctca tcggaggga acaatcaata aaagaaaaaa aaaaccaca aaaagattat 120
aacaaaaaaa gtatgaaagg aaaagtacta ggttcgcag tttctctcat cctagtgggtg 180
gggtgtggtaa ttggcgtggt tgctgtagtt caaagcccaa agggcgtgaa caacaacaac 240
aatggaggag aattgaaaac cagcaacagg gc 272

<210> 23467
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700909470H1

<400> 23467

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ggatcggatc ttgctttcgc cattaattac tcatggagat ccgtgccgat gcttatacca 180
gctccttttc aagtttggtc gcagctgtgt catatggatt tacatcaatg gccatggttt 240
ttatcaacaa ggctgttctt atgcagta 268

<210> 23468
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700909474H1

<400> 23468

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tcaactcaac tcagctcagt gcagaatgcg aaagagcaat gaggaatttc cgaatctgag 180
tctaaggaag ccacccttaa agaggagcaa gacaattcca aatccaaaac acaccattt 240
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<210> 23469

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700909475H1

<400> 23469

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cacgctcttc aactcgttac tctccgatca gggttgcaat cgtggagcct gacacttcaa 180
ctgtggacta caactctgcg ttctcagtgt ttccagcgaa agcatgcgaa actgttggag 240
gggaagctgc atggcaaaat gt 262

<210> 23470

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700909476H1

<400> 23470

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tccttctcat tactattaac tcctttggat gtgtgataga gacgatatac cttgcaatct 180
tcctaattta cgccccaagc aaaaccaggc tttggaccat caagcttctt ctcatgttga 240
atgttttttg attcggagca atgcttcttt 270

<210> 23471
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909478H1

 <400> 23471

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 tattgcatct gtgaaagcta atgcagtggc aaagggttgag tctgagcttc tgcaatttgt 120
 tgaggctgta aagaatagtc ccatattttc acagtttata agggacttgt ctgtggctaa 180
 ggatgttaga gtaaaagtca tccaggatat ttgtggtgaa gctaagtttt cagacgttac 240
 aaagaacttc cttgttattg ttgctgaga 269

<210> 23472
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700909479H1

 <400> 23472

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 cgtaataaac tacttgacat ttgatcaa atgtcaagtagt ttattacgta aacagaggtc 120
 aaatttgctg gctgctcttg aacgctatga taattttggg cgggaagccc gaatgcaacc 180
 atattgtaca aaagaggaca ttgaggatga tgattgattg cataatcgtc canagatcgc 240
 aantaatgca cagaagacca cggacgag 268

<210> 23473
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909480H1

 <400> 23473

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tccaaccacc gtaactggat ctcttgctgg tcttaagcct ggtctccatg gcttccatgt 180
 ccatgccttg ggggacacta ccaatgggtg cctgtcaact ggagcgcatt tcaatcctaa 240
 taacaacgag cacggtgccc ctgaggacga gaat 274

<210> 23474
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909481H1
 <400> 23474

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 actacgttcc cacttgggct tttgatcaca tcagatactt caatggaggt tctgagcttc 180
 aacttcatct tgacaagtac actggtactg gcttccagtc caaatgggtca cacttgtgtg 240
 gtcacttcag catgaacatc aagatagt 268

<210> 23475
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909482H1
 <400> 23475

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 gttggggtga aggacaaatc caagatagtg ctagtggaag accctattag tcaagagaag 180
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 atcagcttgg aagtagatag gcttgc 266

<210> 23476
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909484H1

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cggagatagt ttgggtcgac gctaagggcg tccctcgct taaggtcacc cctccccctat 120
tgccgtgttt ggatgtcaag ggtttcgttt cttcgcccta cgttgctcaa gaggtaatat 180
agaggaaaaa tgtgacggag aagagtgaga tatatgggtt cggagtgatg ctggttgaat 240
tattgacggg aaggagcgcc atggacata 269

<210> 23477
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 700909486H1

<400> 23477
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tgaagttcat ccctgaagag ctacgtcgta ttatggacta taagcataat atccgtaata 120
tgtctgtcat tgctcatgtt gatcacggaa aatcaaccct cactgattct cttgtggctg 180
ctgctgggtat tattgctcaa gaagttgccg gtgatgtccg tatgactgat acccgtgcag 240
atgaagctga gcgtgggtatt accatcaag 269

<210> 23478
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 700909489H1

<400> 23478
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atcttctgtt cagaataata attttagatc cctgatgcaa cagaacaagg aatcttctta 120
gattcttttt ctggaagaaa gagaagacag atgaagaaac tcttcttctt tagaccgctc 180
ttatatattt atatacagtc tctgattgat cggttttttc ggaacctcta ttttcaactca 240
actccacgcy tgatcttcgg gcatggatt 269

<210> 23479
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909490H1

 <400> 23479

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 cgagagtga gatgagaaga agaagcaaga agagttgaag gagaagtttg acaacctctg 180
 caaggtgatc aaggatgttt tgggtgacaa ggttgagaag gttgtggtct ctgaccgcgt 240
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<210> 23480
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909491H1

 <400> 23480

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 ggttgtttgc gaagaaggaa atgaggattc tgatggtagg tctcgatgct gctggtgaaga 180
 caaccatctt gtacaagctc aagcttggag aaatcgtcac caccatcccc accatcggat 240
 ttaatgttga gactgtggag tacaag 266

<210> 23481
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909492H1

 <400> 23481

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 tttcaccttc tccgaatcct ctaccaatta ttatcatgct ctccatcttc gtctctcaca 180

accttcgcgt ctttggcccc ggcttgaatc ccttcgcacc ttattgcacg gccaatcaca 240
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<210> 23482
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700909496H1

<400> 23482

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ttgtcaatct tagagtaaaa ggttgggtcca gttcagctca ctatcttcag aaggctcctc 180
ctcagctttt ggaaatgggg gctgttcgca ttgcaccttt ctccaacaga ttagctcaag 240
cagtaccctc aaaaatccaa gggcttaggt gc 272

<210> 23483
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700909459H1

<400> 23483

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ctaaacctcg cctccgttgg actgttgagc tccatgaacg ctttgttgat gctgttactc 180
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<210> 23484
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700909424H1

<400> 23484

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 ctccgtctct ccgacgattg cctggccgca atctttcatt tctgagcac cgccgatcgg 180
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 ctctccctca acgcacagcc ggaattacta gatttcgtc 279

<210> 23485
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909425H1

<400> 23485

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<210> 23486
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909426H1

<400> 23486

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 ctactaattc cgtgctccc atctggaaca acaactcatc gctgactgtt ggatctagag 180
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 ggatccccga acgtgttggt catgctcgtg gagctagc 278

<210> 23487
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909427H1

<400> 23487

095113.03900

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 acagttccag aaaatgaaac aaccgaagta atcaagaccc agga aacaac cccggaacca 180
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<210> 23488
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909428H1

<400> 23488

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 ctcgtttctt cctgaagttc aaactgctga caggaaagtg ccatttagag agaaggtcat 180
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 aactcaaca acaggtgctg atccattcta ttggat 276

<210> 23489
 <211> 280
 <212> DNA
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<223> Clone ID: 700909429H1

<400> 23489

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 acagaacaag aatctgctca taccacagaa actctaaca gtgtggaaga aagtgacctg 180
 actgagaaac cagctgaggt aacaaaaaag ccacagaaac catctcaatt cacaaggcag 240
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<210> 23490
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909430H1

<400> 23490

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agagagcttg ttatcatggt agttgccacc atggcatggc gtcacaaggc ggtgcccaagg 180
gctgaagtcc tcggcatcct cgcctttgac gccggaaaaa ccatgtgccca cctaatactcc 240
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<210> 23491

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700909431H1

<400> 23491

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gatttgcggt gatagtaaaa agaggaagaa ttcccaggct gttgggaatg agaagactaa 180
tgggaaagga gtacacagtg gtggacattg aggatgatga ttggttgctt cctccaccag 240
agatcgcaag taatgcacag aagacacgga cg 272

<210> 23492

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700909433H1

<400> 23492

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acagaacaag aatctgctca taccacagaa actctaacia gtgtggaaga aagtgcctg 180
actgagaaac cagctgaggt aacaaaaaag ccacagaaac catctcaatt cacaaggcag 240
accaaggtaa aatctgtacc tgcagctctt cgcaaccggg cta 283

<210> 23493
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909434H1

 <400> 23493

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 gcgagattac ggagaggctt cgagatcctc gaggtcttcg cagaggttcc ttggcggggtc 180
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<210> 23494
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 <223> Clone ID: 700909435H1

 <400> 23494

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 ttgggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180
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<210> 23495
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909436H1

 <400> 23495

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 ttggcattag gttgatctga aatacgcaat tgacatggcg agcgcgattg tagaagacgc 180

gaacttcgaa gatgaccaac tagccaatat gacaccgacg acatcgtcag agctttctcgt 240
cttctcgaca ac 252

<210> 23496
<211> 270
<212> DNA
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<223> Clone ID: 700909438H1

<400> 23496

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aaccactttg gacccccctt gctcattgca gcctcaagaa tccacacaaa ctcagagaca 180
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tgcatgggtg cgcttgtgtc gaccctaata 270

<210> 23497
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<212> DNA
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<223> Clone ID: 700909439H1

<400> 23497

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tcaaagtact gcgtaatccc cccacccctc caaaagaaaa aaaagggttc agactttcag 180
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<210> 23498
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<223> Clone ID: 700909442H1

<400> 23498

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<210> 23499
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 <223> Clone ID: 700909444H1
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<210> 23500
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<210> 23501
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909447H1

<400> 23501

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gcggcgagtt ccctggcccc gaagatcggc cccctcggtc tctcccccaa gaagatcgga 180
gaagacatcg ccaaagaaac cgccaaggac tggaagggcc tccgcgtcac cgtcaagctc 240
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<210> 23502

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700909449H1

<400> 23502

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<210> 23503

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700909450H1

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cagaatttgg aactcctaac ataagtactg aacaattggc tgactacatt aataaaacat 120
tgagtagagg ccaggttgtg cctggatatg gacatggggt ttacgccag acagatccaa 180
gatacacatg tcagagggag tttgctttga agcatttgcc taatgatcca tatttccagt 240
tggtgtctaa gataaaagag gttgt 265

agttgcttac ctttctacaa gagaagtatg aacc

274

<210> 23507
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700909458H1

<400> 23507

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ctcgtgcgcg gcgcttgccg tatgatcaaa gaacaagttg caagttgtcc gcaacaacag 180
aacaagaatg gaaccaccac tgcctcagga gtactttgga aactcaattt atacactgaa 240
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<212> DNA
<213> Glycine max

<223> Clone ID: 700909423H1

<400> 23508

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ggtcagccat tggagtcttg ttctggagaa gggcttgtag cagagggatt tgaaatgagt 180
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gataagtttc cgaggccatt aaatgtccct gagggctg 277

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<212> DNA
<213> Glycine max

<223> Clone ID: 700909377H1

<400> 23509

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<223> Clone ID: 700909381H1

<400> 23512

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<210> 23513

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700909382H1

<400> 23513

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<210> 23514

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909384H1

<400> 23514

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 cgattccaac tccttcactt ctccgcctca actatcccgt gttaggaaac agcttgaccc 240
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<210> 23515
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909385H1

<400> 23515

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<210> 23516
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 <212> DNA
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<223> Clone ID: 700909387H1

<400> 23516

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<210> 23517
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909388H1

<400> 23517

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 acggcgcgtc ctgcaggacc ttcataatct cctcctactc gttccgcaac cctaactcca 180
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 ccaccggcaa accctcct 258

<210> 23518
 <211> 248
 <212> DNA
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 <223> Clone ID: 700909390H1

 <400> 23518

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<210> 23519
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 <212> DNA
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 <223> Clone ID: 700909391H1

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 agaaacaagt cctccttgc cctcttcggc ctactctctc cttcgttcca acttcaaaac 180
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<210> 23520
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909392H1

 <400> 23520

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 aggaagaaaa aatgcttctg cagttgctgc aaatcaagca ttagccatga tcacaaggct 180

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<210> 23521
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<212> DNA
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<223> Clone ID: 700909393H1

<400> 23521

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tgtctcaaca ttctgttcg gacatcacag tcttggaag acaacgggaa gcaaccatca 180
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<210> 23522
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<212> DNA
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<223> Clone ID: 700909394H1

<400> 23522

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acaatacgta ctaagatgac tgagggaaag ctagttgaag ctgcagaagc tcataagaca 180
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atgctg 246

<210> 23523
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<212> DNA
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<223> Clone ID: 700909395H1

<400> 23523

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caaaatccgg aaagacccaaa ctgcatttac attttgctgc tgctaattaa ttcaattact 180
ggctatggga cttcattcgc cgactcctcc taattaactc atcgacttc tttcatcaac 240
tcataattca cttacaaaac ac 262

<210> 23524
<211> 260
<212> DNA
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<223> Clone ID: 700909396H1

<400> 23524

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<212> DNA
<213> Glycine max

<223> Clone ID: 700909403H1

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acatgaacag tgggatgaag agagcttaca aagggaaggt gaggactaca tgtcagatgc 180
agctgatggg gactctgatg ataatttgca tagtccttta atctcacgtc aaacaacaag 240
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<210> 23526
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700909406H1

<400> 23529
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gcttcagctc ccagttcagc cttctttggg accagcttga agaaggttat tgcctcaagg 180
gtcaccaaca gcaaggtttc cggtggaagc ttcaagattg ttgctgtaga agagaagaaa 240
gagattgaag agaccagca gaccgacaag gacagatggt 280

<210> 23530
<211> 277
<212> DNA
<213> Glycine max
<223> Clone ID: 700909413H1

<400> 23530
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ggatgcaact gccaacgata tccaagtga aacctttgat gtccaagggt atccaaccgt 180
gtacttcagg tcatcaagtg gaaagtgtc acaatacgaa gggggtagga ccaaggaaga 240
catcatagaa ttcatcgaaa agaaccggga caaacct 277

<210> 23531
<211> 281
<212> DNA
<213> Glycine max
<223> Clone ID: 700909415H1

<400> 23531
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ttagaagatt aaatcttaaa gcagtaagtc atcatggata aatcagagca gactcaacag 120
cagcagcagc aacaacagca tgtgatggga gttgccgcag gggctagcca aatggcctat 180
tcttctcact acccgactgc ttccatggtg gcttctggca cgcccgtgt aactgctcct 240
tccccaactc aggtccagc tgccttctct agttctgtc a 281

<210> 23532
 <211> 221
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909376H1

 <400> 23532

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 aagaacaagg tgccgcgaag acgacgccga taccctctct cactctcgcg acctctcgcg 180
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<210> 23533
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909416H1

 <400> 23533

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 cctccgcccgc gcaccacaaa cccccccact caccgtccaa gccaccgggt aaccccgccg 120
 tgaccgcccgc ctccccggca atcgaacaag cctgcgcccgc gacgctcttc ccgcagcaat 180
 gcgaacctct ctctcccaat ccagaacct cctccgaac ccgacccctc tccagctcct 240
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<210> 23534
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909417H1

 <400> 23534

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 cg 122

002260 ETT E560

<210> 23535
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909418H1

<400> 23535

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<210> 23536
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909338H1

<400> 23536

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 tctcaagac ctacggtttc ggaccttact cccaagcata aaacaggcta agaaggaaat 180
 caaagatatg gccaaagaaag tgaatgactt atgtggtata aaggagtctg atactggttt 240
 agctgcacca agccagtggg atcttgtttc tgat 274

<210> 23537
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909340H1

<400> 23537

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 acacagacac aaaggaaacg aaaaagcaac acacaaaaaa aaagaggtct gtgcctcctc 180
 ttatatgtaa tagctagttt ccgagacaag aaaaaaata agagtaaaaa gagaacatgg 240
 attatgaaaa caacagttgg atttgggagg g 271

<210> 23538
 <211> 129

<212> DNA
 <213> Glycine max

<223> Clone ID: 700909341H1

<400> 23538

tttctcactt ctcagcactc agcagcgata tcagttgaag aaacagaaac aaacaaaaga 60
 ggcagaagat gttgtgggtg gacaaatata gtcccaaaac cctcgaccag gttatgggtcc 120
 acacaacat 129

<210> 23539
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700909342H1

<400> 23539

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 tttcatgtcc ttaagtcaa tcattgtagc accatgcctt ggtgactaga gaggccttgg 180
 tgggtggagtt ttccctctac catgttgcaa tgggggttagg acctanacaa ctaggccaga 240
 ccaccccaga tcgtcaaggg gcttgtag 268

<210> 23540
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909343H1

<400> 23540

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 aacggtcaaa aggagttcga gtgggatcaa acccttgacg aggtcaatat ttacatagct 120
 cttcctccta acgttcattc cagcaattct actgtaagat tcagtccaag cacctcgaac 180
 ttggcatcaa aggcaaccct ccgtatctca accatgatct tactagcccg gtgaagacag 240
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<210> 23541
 <211> 178
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909344H1

 <400> 23541

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 gggctaggca aaatgtccga gggtaatgcc aagagggggac actgcatcgc cagcattggc 120
 gtctcaacct tattgtaggt gctatggctg tggcgatcac aattaggtcg gtccgcat 178

<210> 23542
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909345H1

 <400> 23542

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 gaaccccaaa aaccagcctc cgctgaagaa gtggctcgctg ttcttgcgga gaaccacca 120
 tctgaagccg aagctgaaaa ctgaagcag agaaggccca gagtggtgta gaagacaaga 180
 tttcccagtc ggtttcgttc aaggaggaga ccaacgtggg tggcgacctc cccgaggcgc 240
 agaagaaagc ccttgatgag ctcaagaagc ttg 273

<210> 23543
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909346H1

 <400> 23543

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 atttagtaat agatgatgga tttttgctct ggtatgttgt tttccttcct gtaccatcta 120
 tttccatttc aatggtttgt tcctatcctt ttagctgccc cattaaattg ggggctatca 180
 agacttggtc ctttttctcc tacatttaac ctttacacaa ggaatgctcc tgaaaatt 238

<210> 23544
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909348H1

 <400> 23544

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 ggaggaagga gcactgccca attagaatca agatttgata atgcaaatat gtctacgtca 180
 gtccaagatg cagatgaaat gtttgattct gcggcttctg atgcccacca tatttcttct 240
 aatggttccc tatggctgcc cacggattta 270

<210> 23545
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909349H1

 <400> 23545

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 ccaaagggtc ttcttccac aacgcgggtct cctacaccct ctcccccgac gatggcttct 180
 tcaccgtcca gctcgatgcc ccctgctacg tccactggga cgaccaatta gtctactacc 240
 acagccaaat cagtggcact ctcacctacg 270

<210> 23546
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909350H1

 <400> 23546

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 ggctcttcaa cctaagataa ttgcatgtgg gaactctggt gcaacatttg ccatggctgt 120

tcggttcctc acaggtccgc cgtcatggca gcagcttcca tcgctggttg cctacgtggc 180
 accctcttgc gtatagctat tgttcaggct gcactaccac aagggtattgt tccatttgtg 240
 tttgccaagg agtacaacgt ccac 265

<210> 23547
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909351H1
 <400> 23547

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 gtcgttttgg caattcgtga ccagctgagg ttacaggcat ctaatttggc gaacctttct 180
 ctaaacgatt cgatttggag caacagttac atctccaaga ggcgtgatga aaggattaat 240
 tttgacatca aagttgggg 259

<210> 23548
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909353H1
 <400> 23548

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 aagaagatga tgcaggctgg acccggcggc atggcccaac aagcgaacca gcaatacgca 120
 cagcaacagc aacaacacaa caacaagcct acatgatgat gccgccgcag cctcagcccc 180
 ctcagatgtg ggccccatcg gcccagcctc cgtcccaatc ggtagctcct ccgcaaccca 240
 ccagcgccga tgaggtccgt ac 262

<210> 23549
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909354H1

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 tcgaggaaaa agaggtacaa tttgcgagtt gcaatgagta acgaaaaggc tccttcatca 180
 gcttcttcga gtagctacga gttgagcaaa ggcatcaatg gcctcgacaa ggttattctt 240
 cgcgacgcac gtggtagctc cgctgagg 268

<210> 23550
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909355H1

<400> 23550
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 tattcagaat ttgctttctt tatcagtttg agatcaacat tagattctta tggcttcaga 120
 gtctggaaag gacggggccg cgccccagg aagcttaaat ttaaaccaag agctccacct 180
 cgctcgagtga taaagcaaga agttaagct gaagtggctg atgatgttga tgctgatgct 240
 gatgcagaac atgctgctaa ggaga 265

<210> 23551
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909356H1

<400> 23551
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 atcgcggtc cccaacacag atcctcggag acagagtcct acgtggacaa taagcgcaag 120
 gaggatatcc gccatgcaac atcgtaggag cagctcagt cgccaacgag gttcgacca 180
 gtctggggcc taaggcatg gacaagatga tctccacctc ctccgacgag atcatcatca 240
 ccaacgacgg cgccaccatc ctcaacaa 268

<210> 23552

<211> 279
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909364H1

 <400> 23552

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 ggaaatttct gccaggttc tgaggaagct tgttgatgat gcttccaagt ttttgaacga 120
 taaggttacc aaggccgttg tcacgggcat gcttacttca atgactccca gaggactggt 180
 atcaaggatg ctggtcggat tgctggtcta gaggttcttc gtattatcaa tgaaccaacc 240
 gctgcatcct tagcctatgg ctttgaaaag aagaacaac 279

<210> 23553
 <211> 112
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909365H1

 <400> 23553

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 gctcatgaac aacacttagc ttatggtaat caagttctac aattcggaga ac 112

<210> 23554
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909366H1

 <400> 23554

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 agaaatcttc tatctcatgt aaatcaacag gagcaaataa tactttctaa agagctctct 120
 gggctacaac cagaacagct cgccatgctc ggcgctcgcca aggaccttgg cgacgccgtc 180
 ggcttcatga cgggcctgct ctgcgagatt ttgcccatct ggggcgcgct tctcgtcggc 240
 gctgctttga acgtcgtggg ata 263

<210> 23555

<211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909368H1

 <400> 23555

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 ctgggtcacag ctccacacta tttcagccag acttgggaatg gctgttggga gagatctgaa 180
 gggaagaaag aataacgtgg ttgctgttat aggtgatggg gccatgacag caggccaagc 240
 ttatgaagcc atgaacaatg ctgg 264

<210> 23556
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909369H1

 <400> 23556

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 aggccggaaa aataaaaaag gaataacaaa aatgtctgga aaggtaatta tctcggtgt 120
 ttctctcatc ctgggtgttg agtggccata ggtgtggtgg tggccgtcaa caagaagggc 180
 gaggatccca cacttcaatc tcaacaaaaa tcagtagggg ttatctgcca aaacactgat 240
 gaccagaagc tctgccacga aa 262

<210> 23557
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700909370H1

 <400> 23557

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 gatcaaacag aaactggcaa agaattgtggg gatccttgcc attgacatct acttccctcc 120
 cgcttgcggt cagaggaagc attggagact catgatgggtg ccagtaaagg gaagtatacc 180

attggtcttg gacaagattg catgtcattc tgtaccgaag tagaagatgt catctcaatg 240
 agtttgacag tggttacttc t 261

<210> 23558
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909371H1

<400> 23558

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 ttaacctaaa aatgtccaat tctatctccg acccgacccg aataattcac tctctactc 120
 cgaataccac cgcggccctc aggttccgct tcggaacctt tcccagggtc ggaacagaat 180
 ggattctcta caacacttcc tatctcaatc catcaatacc aacactctcc tcaccgtcga 240
 tcaaatcgcc atggtctcca gccca 264

<210> 23559
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909336H1

<400> 23559

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 tctcgcgacc cctccgtcac ccccttcctt catgagctcc aggcaaggat catccgccac 120
 cacaaccagg ctgatgctgc cccaacccca accccaacga cgccatcaag attcttcctt 180
 tcgagttcgt ttcctcgcag gcctgtctgg aggctgcttg tagcgtcttg gaaaacgagg 240
 ctaaaacctt ggagcaggag gctcatcc 268

<210> 23560
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909374H1

<400> 23560

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gcttggtttc tccttatagc aattttaatg tgtatattgt tcttcaacag tctatcctct 120
acaacaacca tagaaagaga atgtttaaat ggagatggct ttggaacttg gggatagtaa 180
aattaagtgg aatttcccc ttttcttaca tatgaggttc aaagcaatac tttgtttaga 240
agagagattt ctgcaccact taca 264

<210> 23561
<211> 204
<212> DNA
<213> Glycine max
<223> Clone ID: 700909375H1
<400> 23561

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ggagaatttg gaatgggaat caacgatgaa gaagtgtttc gcgcgcatgg acgaagaggt 120
tctcaggtgg agccaaacaa cgagactcca aattgcaggt gcgagcttca aaccccgaa 180
tgcgacgccg taggctccat cgct 204

<210> 23562
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700909294H1
<400> 23562

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caccactcct ccgatcattc tccggtgtag ggtagagaaa ttgggaacaa tgagtgaggt 120
gtttgaaggg tacgagcgtc aatactgtga gcaatcggcg aatctttcgc ggcaatgcac 180
tgcggcttct gctcttgatg gagaacaaaa gaacaaaaa ctttctgata tacaagctgg 240
attagatgat gctgacacat tga 263

<210> 23563
<211> 209
<212> DNA
<213> Glycine max

<223> Clone ID: 700909295H1

<400> 23563

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aagatgggag gtggatttag agtgcttcat ttagttaggc cgtttctatc gtttcttctt 120
gaagttcaaa ctgctgacag gaaagtgcc tttagagaga aggtcatata cactgtgata 180
tctcttttca atttcctggt ttgtagtca 209

<210> 23564

<211> 263

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909296H1

<400> 23564

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tccagttatg taaggaanna aaaattacct gaggtgggtc aatcgctatg gaatcctgca 120
attggattga cccacaagtg ccagctgatg acttattgat gaaataccaa tatctctctg 180
ataactacaa tgcccttgct tatactctcaa tccctagggg gcttatctac tatgttaaga 240
aatcagcagt atttccatat aga 263

<210> 23565

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909302H1

<400> 23565

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catgggaaaa cagagcacag aattctctgc cctcaactgc atcgacctct ccaacctga 120
catcaaccaa tccgtcaatt tactcaaaca ggatgtttgg attccggttt tttctacgtt 180
gtcaatcatg gaataagcca ggaattcatg gaagaggttt ttgcacagag caagaaattc 240
ttctctcttc ctcaca 256

<210> 23566
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909305H1

 <400> 23566

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 aaatgttttt ggcaccaagg gggaaatggg tatagatttc atggttttgg tgttatcagt 120
 gtcattggttt tgtttgacta gtattgtgtc tctgctacaa aacaagcata cccgccaaca 180
 ccacaaccga accagaactt aaggtttgac caaatggag aattcaagat attgcagggtg 240
 gcagatatgc actatgcaaa tggcaagacc a 271

<210> 23567
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909306H1

 <400> 23567

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 gacctacggt ttgggacctt actcacaagc ataaaaaagg cggagaagga aatcaaagat 180
 atggccaaga aagtgaatga cttatgtggt ataaaggagt ctgatactgg tttagctgca 240
 ccaagccagt gggatcttgt ttctgataag ca 272

<210> 23568
 <211> 278
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909311H1

 <400> 23568

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gaaatcgtgg tatgagtggg gggaggatca cagtattttg tggcagatgc taacagctcc 180
aaaccacctt ttgtcattgt tttgccccct ccgaatgtga ctggtgctct ccatataggt 240
catgctctaa cagccgcaat agaggatata atgattcg 278

<210> 23569
<211> 279
<212> DNA
<213> Glycine max
<223> Clone ID: 700909313H1
<400> 23569

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atactctccc tccaatgtag taggagaaaa caagcaactt ttttttgccg ccaatcgcca 180
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<210> 23570
<211> 277
<212> DNA
<213> Glycine max
<223> Clone ID: 700909315H1
<400> 23570

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tacatgctag cactttaaca gtactccttt ctctaataac tctctcatat tttcctttct 120
gcggatatcc agctaattaa actaagtcct aagatgactg agggaaagct agttgaagct 180
gcagaagctc ataagacact tcaggatttc gatcctccaa agaagcgcaa aaggaacaag 240
tatgcttttg cttgtgctat gctggcctcc atgactt 277

<210> 23571
<211> 268
<212> DNA
<213> Glycine max
<223> Clone ID: 700909317H1

<400> 23571
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cactgccact gcccgtaatg ggtcgtgat gccctcgctg tcctctctga gtccaaggag 180
gtccctcatg attggatcac cgatgccgtc attgatcagg ttcttggtga tatagctttt 240
cagaaatttg gaaaaggttt aatttcat 268

<210> 23572
<211> 273
<212> DNA
<213> Glycine max
<223> Clone ID: 700909318H1

<400> 23572
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aaagaaggag atgcattagt ggatcctctc gccagctatt ggggactttc cctctttcct 120
caaccatctc tcccaccctc caaccctaca actcagacca agatcttcac atcatccaca 180
ctcacctcag atccatggcc ttgcggagtc ctgcgaaact gatgcagcag gccaaatcca 240
tagtggatgg taaccctcaa ctgttcaaca ctg 273

<210> 23573
<211> 178
<212> DNA
<213> Glycine max
<223> Clone ID: 700909319H1

<400> 23573
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ttgccacgaa ggagtgaact gcaggcctac gatcttccgg gattgattct acggtatagt 120
cccgaactca ggtaccgaat atcgctctga gctgactcat gatcaggaat tccgtgag 178

<210> 23574
<211> 273
<212> DNA
<213> Glycine max

002220-ETFE50

<223> Clone ID: 700909321H1

<400> 23574

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 aagagaagat aacatacaaa tactcaaaaa ttttcttcag catttcaagc aggttaagga 120
 tctgagtatc aaagatttga tggggagaac gtagaagaag aggaccctaa catggctgtg 180
 aacttgctaa ctgtggcaag cactggcaat gctgcttttc ttgaggagct tctaagagca 240
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<210> 23575

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700909323H1

<400> 23575

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 cgtagattta aattaaatat gaatatttat ttcttctcct tgtcactttc aagattatga 180
 agaggaagtt cacacagcta cgggagtcta tgggggttca aacatcgcat agcactaaac 240
 ggataccaca gccaattttc agagca 266

<210> 23576

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700909324H1

<400> 23576

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 aggtgatcgc agagtacata tggctcgggtg atcaggaatg gacctgagga gcaaagcaag 180
 gactctccca ggaccagtta gcgacccttc agagcttccc aagtggaaact atgatgggtc 240
 cagcacaggt caagctcctg gtgaagacag t 271

<210> 23577
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909326H1

 <400> 23577

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 ggagtttcaa tcttcttggt gggctcgtt ttcgtcttct cttgtgggat tcattcagtt 180
 tctcatcggg ggtagtggag acacctctc ctctggaaga tgcaaaagca ttgtcccctg 240
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<210> 23578
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909327H1

 <400> 23578

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 cacaaataat aattcaatta actgcacaag atactccaaa ttagaagctt gtagttgttg 180
 ataaactttg attggtatct ccacattttt tgtggtagag ttgttgggaa aaaaaattca 240
 ccaaaaaaaaa agaaagaaaa aagcatagag agaaag 276

<210> 23579
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909329H1

 <400> 23579

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SECRET

<400>	23580
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<400> 23581

<400> 23582

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ggaaatttct gccaggttc tgaggaagct tgttgatgat gcttccaagt ttttgaacga 120

taaggttacc aaggccgttg ttacgggcct gcttacttca atgactccca aaggactgcc 180

accaaggatg ctggtcggat tgctgggtcta gaggttcttc gtattatcaa tgaaccaacc 240

gctgcatcct tagcctatgg ctttgaaaag aaaaac 276

<210> 23583

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700909333H1

<400> 23583

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ctg 123

<210> 23584

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700909334H1

<400> 23584

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tgctactgca acatctgcct caccgtctt tgttgctgct ccagcagaga aaggccattt 120

tcttttagac tttctcatgg aggtgtttca gcagctgtct ccaaaactgc tgctgctccc 180

attgaacgtg ttaagctttt gatccagaac caggatgaga tgatcaaaac tggtaggctt 240

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<210> 23585

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700909335H1

<400> 23585

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gatgttggag aaagttgaaa atttaacacg gagaggatga tggaggaatt tgagaggggtg  180
acaaaggatg ctgagaggat tcaaaggga accctgaaga ggattttgga agataatgct  240
tctgctgagt acttgctgaa tttgggct                                     268
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<210> 23586

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700909293H1

<400> 23586

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agttgaagtt tgtcaccact acagtcacaa aatctgaggt gaaatcaaaa ccggttaacta  180
catcatcagc atcgtccaaa acaataacaa agacaactac taccaaaacc aaagtgagag  240
agaagaaagt ctatagtctg cctggccaga aacat                                     275
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<210> 23587

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700909266H1

<400> 23587

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ccctacagat gtactcagca aaattagccc cataccggtg ctcaaagaaa tcttccgcac  120
tgatggtgag ctagccctca agtttccacc acctcatgtc atcaaagttc gtgagttctga  180
atggatgact gatgaagaat ttggaagaga gatgcttgct ggtgttaatc ctggcatgat  240
tcaacgcctt caagagttcc ctccaaagag caagctagat cc                                     282
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<210> 23588
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909267H1

 <400> 23588

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 aatggcgagc gctccactc cacgcgaaga gttcgtgtac atggcgaact gtgcggagca 120
 ggccgagcgc tacgaggaga tggaggagtt catggagaag gtctccgcct ccgccgagag 180
 cgaggagctg accgtggagg agcgtaacct cctctccgtc gcctacaaga acgtgatcgg 240
 cgctcgccgc gcctcctggc gcatcatctc ctcaatcgag cagaa 285

<210> 23589
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909269H1

 <400> 23589

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 tgttaattct agaaagttaa agattgctga tagaattttt gaagaaatga tgatttctgg 180
 aattgttctt agtgcttcca taattgagag tatgcttaat gggatttgca agcaaaagag 240
 attgggtcgg gcagaggagt ttttcacggt tgcatggat 280

<210> 23590
 <211> 173
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909270H1

 <400> 23590

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 tttacgtttg tgtatttggg aaaaactttg gaaatgctga tgaggatgag tccgaggcac 120

agacaggtgg tgggtgggtac ggtgggtgtgg gaggtgggtt tgggtgttct tgg 173

<210> 23591
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700909271H1

<400> 23591

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gtgatcttca ggatcagtca atggcatttg gctctgatcg tggacggttc actgaagtga 180
agagatctgt ggttgataaa aatcttgac ctctggtgaa gactgtgatg actcgggtgca 240
ttcaatgtac aagatgtgtt agatttgcaa caga 274

<210> 23592
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700909272H1

<400> 23592

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gcagtcgcag ccgcagcacg ggcaagcagc gctggagcag gtgcagtgtc tcggtcgcta 120
gacgaccgcc gtggccgtga cctactgcaa gcgcggggcg ggtctcatca agatcaacgg 180
ctgccccatt gagctcgtgg agccggagat cctccgcttc caaggccttc gagcctatcc 240
tcctgttggg taagagccgc ttcgcccggcg tcgacatgcg 280

<210> 23593
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: 700909273H1

<400> 23593

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ggaattcggc tcgcggagaa atgcaaatca agtatttgca tcagagaaag gagaaggtag 60
cagtgttggt ttctcatgag aagcaccact tatcaggaaa gagtcaagaa tgtccactcc 120
ttattgttgc catgctatga agctcaaata cagggatgtt acaacagatt gtgagcttgg 180
aagtaatgag aaatttgggt tggagaagaa actatgtaga caagatagga ttgagttggg 240
tcggttggtt cagagtgcag tgagttccca tgactgggaa cttgctgaaa g 291

<210> 23597
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700909278H1

<400> 23597

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gttcaaattc ttgaaagagg tggtagtggt atctggcacg ggcctcaaag atctccata 180
caatatcgggt gacccttatg cttctgcttg gggctcttgg cttcattttc gcggcacctc 240
caaagacgat ggtacccggt gtccataatt tctc 274

<210> 23598
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700909279H1

<400> 23598

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ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcatgctgt ttggccaaac 120
actccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180
gatgatcacc ctatgcaatt tgaagaaaca cagtaccga aaaccttctt ctatagagaa 240
gacttcatcc aggcaaaaca ttgaggtaca attcagc 277

<210> 23599
<211> 283

0953113-03200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700909281H1
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 cgtccccatc cgatccatca tctcccgcac cgacggcggc tcgggcctcg ccggcaggaa 180
 agcgcgcggtt ggcggtctggg tgaagacggg acgcaaagcc gacaaggacg ctttcgcggtt 240
 cctggaaatc aacgacggaa gctgcgcggc caacctccag gtc 283

<210> 23600
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909282H1
 <400> 23600
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 tttctctttg ggtatcttca caaagcaaag aaattcactg agaaagccaa agccaaaggt 180
 gatgatggaa taataagtac aaatgaaaga tgaacaggaa atattgaatt gggatcaatcg 240
 gatctaattc atcgagtata agtaggtaat tcacaaa 277

<210> 23601
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909283H1
 <400> 23601
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 cgtaatcttc tctctccgtc acttcatctc acgcgatctc gttccgatcg caccggtttt 120
 aatgatcgtc gtcttccgcg gcctctgatt cggctctgat cttcctcgcc gcacctctcc 180
 gcacctctcc gccggaacca tgatctccgt gcagggcgac ctccaccgcc accacca 237

<210> 23602
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909284H1

 <400> 23602
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 ccagggtctt tctgaaggaa cattttcttg attttcaatg ggaggaacaa ctttgatttt 120
 ttttcccgct gaaggaaatt gtaaaccaat atctatggca agaaacaagg agagtgaatt 180
 atgcttatga cttaccaata aaaaaaccta gtattctttt catatcaaaa aaaaaaaaaa 240
 agggcgtccg ccga 254

<210> 23603
 <211> 225
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909285H1

 <400> 23603
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 tgcattctaa taagagtaac tatattacct agggtaaata tcttattgag acctatcatt 180
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<210> 23604
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909286H1

 <400> 23604
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 ttggctgctt gtgagacaat gggatctgcc actactatct gcagtgacaa gactggcaca 180

ctaactacta accatatgac tggtgtaaaa gcttatatat gtgggaagat taaagaagta 240
aatgggttcta aggtctactc tgatttctca tctg 274

<210> 23605
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700909287H1

<400> 23605

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tctccttctt cttccccgta atcctccctt aaatcatcat cccatattca caaatcacaa 180
tcattaattc ttagattaat tgcattcgag gtattttctg ctttcatgtg tcgtaattgt 240
tcatgatttt gtccttaaaa taatcctcat tctggtttca 280

<210> 23606
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700909288H1

<400> 23606

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gaggaggcct ataacaagat acttcagttg gaaaaacagt tagatgccaa acaaaagttg 180
gtaatggaaa ttgaagagtt aaaagggaaa ttgcaagtta tgaagcatct tggagatgaa 240
gatgacgcag ctgttcagaa tgcaatagag gagatgaatg t 281

<210> 23607
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700909289H1

<400> 23607

095113-032200

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700909263H1

 <400> 23610

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 aggagcaata ggtctaggtc aaggtgatgg cgtagcaagg acagcactga gactgaactc 180
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 cacactattc ttgtgcctca acctctatag gtcaattagt c 281

<210> 23611
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909229H1

 <400> 23611

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 cgggtgcttgc aacttgcaat tcttcttctt cttcttcctc cctctatctt gggaagggct 120
 tctcccatcg caaattgtct ccagttatc acattcacia aaccattgac gaatcctatg 180
 cagttatctt cgatgctggt agcacgggaa gccgtgtaca tgtctatcgt tttaaccaac 240
 aattagatct ccttcgcatt ggccaagacc ttgagttggt tgtcaag 287

<210> 23612
 <211> 293
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909231H1

 <400> 23612

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 gtttcgttga agaagaagta caaggtcata aggaaggtga gggagcacia caggaagaaa 180
 acgaaggagg cgaagaagct tcgcttgagt gggaagaaga aggttgagaa ggaccctggt 240

095113.032600 "CTT560"

attcccaacg attggcgctt cgaggagcag gaactcaaag cgcttgaagc tcg 293

<210> 23613
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700909233H1

<400> 23613

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aggtgttgca gccacaagga ggccatcaac tgcttctact catgctcgca gaagtgtgga 180
ctcaccacaa ctgtccaagg gcaagcagac tctcctgcca ccaactagaa ccaaagtatc 240
agcccaaagt cggtatcatt ttgattctcc cagcaaagta tt 282

<210> 23614
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700909234H1

<400> 23614

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gaaagaactt gtagaggtgg gtcattggga tttgaaggat aagccatggt ggcaaaagat 120
gcaaactcgt gaagagttgg ttgaagcttc cgctaccctc atatggattg cttcagctct 180
tcatgctgct gttaactttg gacagtatcc atatggaggt ttaatcctga ataggccaac 240
tattagcagg agattcatgc ctgagaaagg gtctcctg 278

<210> 23615
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700909235H1

<400> 23615

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attttattaa taaaattaat tatttttttt agcttttattt tacttttggt accaagagat 120
ccagacattt aaattaaaga taacccttct gcaaaattaa atgtctggat ctcttggtac 180
caaaagatcc agacatttaa ttttgcagaa gggttttctt taattt 226

<210> 23616
<211> 287
<212> DNA
<213> Glycine max
<223> Clone ID: 700909236H1
<400> 23616

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acctgccctc aagaaggcag acattggtat agctgttgct gatgctactg atgcagcccg 120
gagtgcattc gatattgttc taacagaacc tggacttagt gttattatta gtgctgtttt 180
gacaagccga gccatcttcc agagaatgaa aaattataca atttatgcag tatcaattac 240
aattcgtatt gtgcttggtt ttatgttgct ggctctcatt tggaagt 287

<210> 23617
<211> 281
<212> DNA
<213> Glycine max
<223> Clone ID: 700909238H1
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agttctttgt cccacatcct cgagcagtcg ggcttaaagt ttaatcttaa acccgcatct 180
cgtcgtcttc tcagcgagga tgggttcccc acttggttct ctgctggtga tcgcaagctc 240
tttgctcgtg gatggagagc acgtatcaag cccaatgttg t 281

<210> 23618
<211> 291
<212> DNA
<213> Glycine max
<223> Clone ID: 700909239H1

<400> 23618

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tcattcacca tggctgagca aaccgagaag gcttttttga aacaaccaa agtggtttctc 120
agctcgaaga aaactgggaa gggaaagaga cccggaaagg gtgggaaccg cttttggaaa 180
tccattgggc ttggatttaa gactcccagg gaagccatcg aaggaaccta cattgacaag 240
aagtgccct tcaactggcaa tgtttccatc cgtggccgta tcttggttg a 291

<210> 23619

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 700909241H1

<400> 23619

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tagatcttaa cttggtaacc actttctcac ggcaagggt gtttgaactt tgaaccgccg 120
ccgtcaaccg tctgccactg ccagagttca tttggacaaa agacaatggg ggagtagagg 180
attctataaa ctttgggagc tgtcatctat acagggatta tagtggtact tgcattatta 240
atttacttag ataacaagac acataggatg gaaccagta gagagc 286

<210> 23620

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 700909242H1

<400> 23620

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ggttgtggcc ttagcaattt aggggaagag aagaaagtgc tgaaaagaga aagttgttat 120
ccacaagaca acgtcatcaa cattacacaa ggcgagggt ggtctctgtg atggcaacct 180
ctttctctcc gacagcctct gtcggctcca tcattctcca aaaccctccc aaaggccttc 240
ttcttctctc ccagcagcag caacaacgct ccttcgcctc ttctg 285

[illegible]

<400> 23621

<210>	23622
<211>	117
<212>	DNA
<213>	Glycine max

<400> .23622

<210>	23623
<211>	288
<212>	DNA
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<400> 23623

<210>	23624
<211>	297
<212>	DNA
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9812

<400> 23624

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 tgctgaggct ggcaagtttg gctgagaata gtttaaacgc agttgaacgg attggcactt 120
 acattgattt gccctcggag gctccctcta tcatcgatga taatcgccct cctcctggct 180
 ggccttcctc aggtcfaatc agattcgaag atgttgttct tcgctacaga gctgaacttc 240
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<210> 23625

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 700909250H1

<400> 23625

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 tcgctggcca ggactcgatg ggaaaggaga gccaaacgtc cgctatggaa atcgacgctc 120
 caaaatcgat gaattccgat ctgatcgttc caaaattctc catcaacgtg ctgcagctct 180
 taaaatctgc gcaaatgcag catggcttgc gtcattgaga ctacactcgc tataggaggt 240
 attgcacagc tcgtttgagg aggttatata aatcgttgaa gtttac 286

<210> 23626

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700909251H1

<400> 23626

ttctcgaccg attcggctca ctctcagttc cgttctgcat catagagtat ggccagccac 60
 gatcttcgat tcttcgagtt gaacacaggc gctaagatac cttccgttgg tttgggaacg 120
 tggctcgctg aacctggcgt tgttgctcgc gccttggcca ctgcaataaa cgttggatat 180
 cggcatatag attgtgcgca aatttatggc aatgaaaagg agattggtgc tgccttgaag 240
 aagttatttg ctgatggtgt agttaagcgt gaagatatgt ttat 284

<210> 23627
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909252H1

 <400> 23627

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 gtgtgcgtgc gtgcgtgttt tcctctatct gtctgataga tagaataata tcccaaacca 120
 tcgaaaggaa gcaacgagga aaaaagaaat aaatgaaaag cgtagagagc catataatgc 180
 tccgctttgt ttgcatatcc atgtgagggt tctgacacat tctcttcccc tatcgctggg 240
 tggcttggtc gccttggtgg tttctactga gtcac 275

<210> 23628
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909254H1

 <400> 23628

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 gggggatctt gacatatcaa gatttggagg aaaaccaaata acaaataatag gctatgcttt 120
 cttaagtgcc ttgactcaag catgtgcac accaactact gtctaaattg tgattccagc 180
 tggcacatac catatgggtg ctattgatgt caaaggctct tgcaaggctc ctattgaggt 240
 tcaagttgat agaacaattc agcaactgc 269

<210> 23629
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909255H1

 <400> 23629

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 caccctcggg tgggtggaagt tacaatccaa ctccatcaac tccccaggt ggtggaagct 120
 atgatccaac cccatcacca cccacagatg gtggaagtta taatccaact ccatcaccac 180

ccacaggtag caactgtgga acaccaccac aagaccctc tactccaaca ccctcagtc 240
 caacaacacc atcaaccca tcaaaccctc ccttgggagg aggtggg 287

<210> 23630
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909257H1
 <400> 23630

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 cgaacagttc ctcaagtatc caccaccta agtgatgcag gtcgacaagt ctgcatggat 120
 gactgatgaa gaatttgcaa gagaaacaat tgetggtttg aatccaaatg tcatcaagat 180
 tattgaggag ttcccactaa gtagcaagct agatactcaa gcctatgggtg atcatacctg 240
 tataataaca gaagagcatt tggagcctaa cttaggtggt ctc 283

<210> 23631
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909258H1
 <400> 23631

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 aaatggtaaa ttaaccatg tacgggtgacg gacagcaaaa gagtatcgtc actggaaaca 120
 aaaatttcgt ggatggagtc aggaccttc aaactgcac atttggtgta cttggagagg 180
 gattcttggg gaaagacatg ggattcagaa acacagccgg tgcagagaag caccaagcag 240
 tggccgcaag agtgcaagcc gaccgagcca tatttttcaa ct 282

<210> 23632
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909260H1
 <400> 23632

0953143-095300

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 aaacagcccg taagtgcacc ggcggaagg ctcccggaa gcagctggcg actaaggccg 120
 cccgcaagtc tgctcggcg accggcggag tgaagaagcc acacagggtc aggccaggaa 180
 ccgtggccct gagggagctc aggaagtacc agaagagcac ggagcttctg atccgaaagc 240
 ttccgtttca gcgtttggtt cgtgaaatcg ctcaggactt c 281

<210> 23633
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909262H1

<400> 23633

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 ccaaattggcc agcgttgagg ttgcacatca aacaccaaca acagttccag aaaatgaaac 120
 aaccgaggta atcaagaccc aggaacaac cccggaacca gtaccagcca ctgaggctcc 180
 tgcaacagaa caagcagcag ctgagggtcc tgctcaagaa gaacaacaag caactgaggt 240
 tcttgcccca gaatcaacca ccgaagcacc aaaggaag 278

<210> 23634
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909227H1

<400> 23634

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 ggcttacttt gtggaggaca attggaaacg gatttgggtt attctcctct ggctttcaat 120
 ttgtgctgcc cttttcactt ggaagttcat tcaatacaag caccgtgccg tgttcgacgt 180
 catgggctat tgtgtcactt cagccaaagg tgctgctgaa accctcaagt tcaacatggc 240
 cttaatcctg ttaccggttt gcagaaacac cataacttgg ctcagaagta 290

<210> 23635
 <211> 240

002220" E.T.F. 660

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700909187H1
 <400> 23635

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 atgagaattc tctggaacta taccaagagc aacaacacca accctcaagg aattccacct 120
 caggagtgtg agttaccaca aattgggagt tgtttgattc tgtcccacca ttaatccctg 180
 tgcaatccac atccccaccc tcttcagtga ccaataattc aggtcctccc aagttcaatt 240

<210> 23636
 <211> 156
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909190H1
 <400> 23636

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 ttgattcgtc gaggattgag gacaccattc tggattcctc tccgctttcg atttattcag 120
 tcgacagcgt tcttcttccg caggaactgt tcgcga 156

<210> 23637
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909192H1
 <400> 23637

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 caatggcttt ctttggtaga attgggaatt tattaagaca gacagcaagc aggcagggtta 120
 gttcagaatt gcgatcatcc ccttcgtttt ttcaggctat acgcagtatg tcactctgctc 180
 caagcacaaa gctgtttatc ggaggtgttt catattctac tgacgagcaa agtttgaggg 240

<210> 23638
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909194H1

<400> 23638

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gcctcttgta gtagccatgg ttttccaaac aaacattaat cctcaattcg tattgtttcc 120
tctcatggct caaggccaca tgatcccat gatggacatt gcaagactat tggcacggcg 180
tggtgtgatt gtttccatat tcaccacccc aaaaatgca tcacgattca attctgttc 239

<210> 23639

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700909195H1

<400> 23639

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ctccacatt cttcaccagc tatgcacgat cttcaatacg aatgcagttt cgatatttga 120
tatcgagta tcggtgtttg agcggctgaa ttggaattgg aaaatgcttg aggcaatgga 180
aagttcggtc aatggtgggt ttaccattt gcagagctgt ggagatagca gcgaagaag 239

<210> 23640

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700909196H1

<400> 23640

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aagtaaaaga aatgtttttg gcaccaaggg ggaaatgggt atagatttca tggttttggt 120
gttatcagtg tcatggtttt gtttgactag tatatgtgtc tctgctacaa aacaagcata 180
cccgccaaca ccacaaccga accagaactt aaggtttgac cagaatggag aattcaa 237

<210> 23641

<211> 268

<212> DNA

<213> Glycine max

002200:CTT560

<223> Clone ID: 700909204H1

<400> 23641

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agtggttctg ctacctgcaa gcgtggggtt gttcagttct gttatgagcc catcaagcag 120
attattaaca cttgtatgaa tgatcagaag gataagctgt ggcctatgct gcaaaaagctt 180
ggggtcacca tgaaatctga ggagaaggac ctcatgggta aagcattgat gaagcgtgtc 240
atacaaacct ggcttgacgc aagtagtg 268

<210> 23642

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 700909205H1

<400> 23642

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cttatgcttt tcttttttgt tttttccccc tcactttgcg cttgtcgatc tttgtaacta 120
gctataatgc aagcacctca agctgcatca gccactgatg aagctcctga gatttcccat 180
caggctgtcc ccagcgaaa caaagaagtt tcagacagtg gacccggtgg taggcgcctt 240
gatatttcac ttcaagttcc cgctagacct ataggggtctg gtagcactag tagt 294

<210> 23643

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 700909206H1

<400> 23643

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ttgttattct gcctaagcag tttcttccaa acttcctttt acatttccta tttctctata 120
ctatcaaaaag ggtttgaact ttgaaggga attcagaaag atatgatgac gaaccacaat 180
gtggtgactc atgaggttat taacacgttg attgccgtgg cagcttccat ttcaaactca 240
cacgcgttgc caagtgaac agtgccagaa tccatggctg tgcttggtgg 290

<210> 23644
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909208H1

<400> 23644

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 tgcttccgcc ttcgcttcag agtcagatca caagtatcaa catgatgaac aagttaacct 120
 ttgggtgaac aaagttgggtc cttataacaa tccacaagaa acatacaact attacagcct 180
 cccattttgt catccatcta gtagtgctag tgctgcacac aaatgggggtg gtcttggtga 240
 ggtcctgggt ggcaatgagc tcatcgatag ccaacttgaa attaagttcc aaag 294

<210> 23645
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909209H1

<400> 23645

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 caaccctcg tttgcgataa tggaaccgga atgggtcaagg ctgggttttgc cggagatgat 180
 gcgccgaggg cgggtgtccc cagcattgtg gggcgccac gtcacacggg agtgatggtt 240
 gggatggggc agaaggatgc gtatgttggg gacgaggctc aatccaagag ggg 293

<210> 23646
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909211H1

<400> 23646

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 ttctccttcc cagtttcaaa ccctaattcc ctcatccca tggcctcaga agagcccact 120

gtcgcggtgg aacccgctcc cgaacctgcc accgccgagc ctcccccgga ggagaaggag 180
 gagcccaaac ctgaagccaa ggctaagaaa accaaggaac ccaaacctaa aaaggtttcc 240
 agaccacgca accctccac tcctccttcc tacgaggaga tgattagaga cgc 293

<210> 23647
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909212H1

<400> 23647

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 atccgcgcgc atggaagcag gtttctccca tcgaaggcaa agcagaaaga acggaaaggg 120
 ttcaagtcgg agtaccacct ttgctggatc attgagacaa acctttgcgt ctttcatacg 180
 tgtgattctt ttagacatgt gaacgcattg ttttctggag ctgaaatctg aatgttactg 240
 caataattat ggattcttct gctgtcgtgg gtaacac 277

<210> 23648
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909214H1

<400> 23648

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 tgtccgtatg actgataccc gtgcagatga agctgagcgt ggtattacaa tcaagtctac 120
 gggatatctca ctctactatg aaatgactga tgaagctctc aagagtttta agggagagcg 180
 caatgggaat gagtatctta ttaatctcat tgactccctt gggcacgttg acttctcttc 240
 tgaggttact gctgcacttc gtattaccga tggagctctt gttgtggttg 290

<210> 23649
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909215H1

<210> 23652
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700909219H1

<400> 23652

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 ttcccccaac aaccgtttctc atctcttnta ttcatgacac accacactct ctctcacatc 120
 ttccatctcc tccatctttt ccacactttt ctccacatc actatcacat tattacgttg 180
 cattaatata atggaccaaa caaccgccgc tgccaacgag gttgtccgcg atttcccctg 240
 cctcctccgc gtctacaaag acggccgtgt cgatcgcttc ct 282

<210> 23653
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909220H1

<400> 23653

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 ggcctttctt tcccttgtag acgttcaaac ttggattttt atgtggaagg gaaagagggc 180
 ataattccaa gccttaaact tttgtaatgc ctttcattta tttggttggt ttttgtagt 240
 attggaatta taaaaaatga gtaaggtttc tgggtgttata tcccgccaag t 291

<210> 23654
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909221H1

<400> 23654

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 acaacacaag atggaggacc aaaatggtag tggttaagttg agccaagggc ttcgcaaggt 120

095311-03200

gaagccttac cttgctatat tgtcccttca gtttggctac tcagggatgt atatcatcac 180
tatggtttct ttcaagcatg gcatgagtca ttggatactc tcagtgtacc gtcatgtagt 240
tgctgctatt ataatagtcc ctattgcact tgtccttgaa agataaataa gac 293

<210> 23655
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 700909223H1

<400> 23655

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taaagaaagg gaaaaaaaaa gaagaagaga gaaaacaaag acaaaagggt ctcaaaactc 120
catgattatt caaattctct aaaaaacagt accaagcagt agtagtggtc cctctactta 180
atcaaccac aggagaggac ctctacaaag accctgttta ggcttgggtt ggaacaacat 240
caaaaaagag aaagcaaact ttcttttctc tttttagat cgagatcgta g 291

<210> 23656
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 700909225H1

<400> 23656

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gtgctgaaca aatcggcggc acttcacatg aacatcaatg ccgccaaggg tttgcaagat 120
gtcctcaaaa ccaacctcgg tcccaaagga accatcaaaa tgctcgttgg tgggtgctgac 180
gatatcaagc ttaccaaaga tggcaacact ctcttgaaag agatgcaaat ccaaaacccg 240
acggcgatta tgattgctag aacggctgtg gcgcaggatg atgctagtgg tg 292

<210> 23657
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 700909226H1

003113.03200

<400> 23657

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 ccgtegetta cagacccggc gacatcgttc ccatgagccg catgggtcaa taccactcct 180
 cgcgaaaccgt gtggcaggac ctcatgtggc gtcactgccc catcttcgca gtgaatcgcg 240
 aggtgttgat gcccataccc aagcccacgg gttacactgg tgcggat 287

<210> 23658

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700909186H1

<400> 23658

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 aaatccacat tatgaaagta tgtatgtgga tttctaatat catttgtttg gctgagaaaa 120
 ataaggtgta ataaaggagg aaagtttggc tattctttca accatgtgac ttgatggcca 180
 attgtactct atcaaataac atatgttaat ctgtcattca ttatatgttt ttattggctc 240
 gt 242

<210> 23659

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909141H1

<400> 23659

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 ctcttcacct cagaatcttg aaacgagggc caccocgaca agatctgtga ccaggtttct 120
 gatgccatcc tcgatgcttg cttggagcaa gaccagaga gcaagggttg ctgcgagacc 180
 tgtacaaaaa ccaacatggc catggtcttt ggggagatca caaccaaggc caaggatgaac 240
 tacgagaaa 249

<210> 23660

<211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909144H1
 <400> 23660
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 ttcttctgtg gggcgaagat aagtttctaa agccaacggg aaatgcaagg agcaagaaga 120
 aacagtgaat gtgactgtga atgtgaatac gtgttcttac aatggtagta gtgcactttg 180
 gtcagagagc aatgaagata acaaactact agacatggaa acctcaagta gtggctacta 240
 ctctga 246

<210> 23661
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909147H1
 <400> 23661
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 ttgcaccaag tgaatgggtc agatgaggct ttgggtggcca aaacttgtga tctacacaca 180
 cctcatgtgg ataacacctc ctttttcaag acctgcttcc acctcattaa tgccctctca 240
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<210> 23662
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909149H1
 <400> 23662
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 ggatttcata ttggtgtgat ggaaaaacag gtgggttggt tctaggacga agctgttctt 180

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tctctgggtca agatcaaacc atacagcttc tctctgaatc taaaccgtct agggaggatg 180

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cccag 245

<210> 23664

<211> 243

<212> DNA

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gggggtgccc gaactggtcg ttattgccgg cgtggccgcc ctgggtttttg ggcccaagaa 240

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<223> Clone ID: 700909155H1

<400> 23665

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<400> 23668

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<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700909161H1

<400> 23669

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<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700909163H1

<400> 23670

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<210> 23671

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700909164H1

<400> 23671

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agggttagca tgaggaaaac agcctccaaa actgtttcct caggaagccc atggtacggc 180
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<210> 23672

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700909166H1

<400> 23672

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gggcactggc cctcgtccaa tcgtcccccg ctacgtggca gtccgcgctt ctcagcaacg 180
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<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700909167H1

<400> 23673

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<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700909168H1

<400> 23674

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 taatccataa ggaggacgaa aaaggacaca gacaatccag atgtgacaga attaacacaa 180
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<210> 23675

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909169H1

<400> 23675

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 gccaaagcga cggcaaggac taccaggagc cggcgccggc gccactgggt gacccgacgg 180
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<210> 23676

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700909171H1

<400> 23676

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<210> 23677
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 <223> Clone ID: 700909174H1

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 ccaccaactt catcaagtcc tcttgagca ccaccagta cccagccctc tgcattcagt 180
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 tctcc 245

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 <223> Clone ID: 700909175H1

 <400> 23678

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 ggcagcacca cctctccaa agaaaaagcc tgctgctgta tcccccgcca atgaggaact 180
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<210> 23679
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 <223> Clone ID: 700909177H1

 <400> 23679

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ggacaaaagg tgaccagaga taacccttct ccaagagcat atttcaagtg ctcttttct 180
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gc 242

<210> 23680
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<212> DNA
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<223> Clone ID: 700909179H1

<400> 23680

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gatggccgaa tattcactga aatggacggg ccaagtggtc aaccttgtgc cgagaccacg 180
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<210> 23681
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<212> DNA
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<223> Clone ID: 700909181H1

<400> 23681

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a 241

<210> 23682
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<212> DNA
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<223> Clone ID: 700909182H1

<400> 23682

0953113-032200

<223> Clone ID: 700909185H1

<400> 23685

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aagggtcact ttgttacctt cataaacagc cccaaaaaca ttgaccgcat gcccaaaacc 240
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<210> 23686

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700909101H1

<400> 23686

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gctagatcac cagagttgca atccattaag gtattgccag ttgagtgtt cttgaaaagg 180
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<210> 23687

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700909102H1

<400> 23687

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aattctgggt cat 253

<210> 23691
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<223> Clone ID: 700909108H1

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<223> Clone ID: 700909110H1

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ggatctgacg aaaacgacgt cgtggtcacg ggcggcgggc ccggcggcta cgtggcggcc 180
attaaagcgg cgcaactgggt ctgaaaacca cttgcatcga aaaacgtggc actctcggcg 240
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<210> 23693
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<223> Clone ID: 700909111H1

<400> 23693

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<210> 23694

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<223> Clone ID: 700909112H1

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ctcgtcacta tgattctaaa atgagtgact tactttcatc tgatggacag gacttcttca 180

catcctatga cgaggtttat gatagttttg acgctatggg tttgcaggaa aatcttctca 240

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<210> 23695

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909113H1

<400> 23695

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ctactaccac ctctactaca acaaagtcac tgtcccttcc ttcttcaccc tccaccacta 180

cttctctctc tgatgttcaa cttctcttgg gaaagatcaa agcttcactg caaggtagta 240

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<210> 23696

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 <223> Clone ID: 700909114H1

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<210> 23697
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 <223> Clone ID: 700909116H1

 <400> 23697

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<210> 23700
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<223> Clone ID: 700909120H1

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<210> 23701
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<223> Clone ID: 700909122H1

<400> 23701

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<210> 23703
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<213> Glycine max
 <223> Clone ID: 700909126H1
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<210> 23705
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 <223> Clone ID: 700909127H1
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<210> 23706
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251

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<212> DNA
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<223> Clone ID: 700909131H1

<400> 23707

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<212> DNA
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<223> Clone ID: 700909133H1

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<211> 249
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<223> Clone ID: 700909136H1

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 <223> Clone ID: 700909071H1
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<223> Clone ID: 700909072H1

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<210> 23719
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909073H1

<400> 23719

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actctgaagt ctccactga gccccagctt cctcctaaag agagagacag acgagttcct 120
atgacaaggc ttcggaaacg agttgctaca cggctgaaag attcccaaaa cacatttgct 180
atgctgacta ctttcaatga agttgatatg actaatttga tgaagctccg ttctgattat 240
aagga 245

<210> 23720
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 700909074H1

<400> 23720

0053113-032200

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tctctctctc cggcgatccc cgcccatccc tccgccatga gttccggctg agctcctgcc 120
acatgactag cccca 135

<210> 23721
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700909077H1

<400> 23721

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cttacgtgcg tcattacgtt tttcaattaa agtaaatttg atctcccctg agttgccttt 120
ctattaattt aacattccat tagggcgtat agccccaca aagtggaatt ctggattaga 180
aaccaggata atgagatttg atggcactac tttgcaattt caaccttcatt ctattgcagt 240
agtc 244

<210> 23722
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909079H1

<400> 23722

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agtcataatc caacgcacgg tagcttcgcg ccaactggctt ttcaaccaag cgcgatgacc 120
aattgtgcga atcaacggtt cctctcgtag taggttgaat tactattgag acactgtcat 180
cagtagggta aaactaacct gtctcagcag ggtctaacc cagctcacgt tccctattgg 240
tgggt 245

<210> 23723
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909080H1

0953113.03200

<400> 23723
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catgaacttc cacatctact tccctccatc tctttctccc tctcacaat tccctgtgct 180
gtactttctc tctggcctca cttgcaccga cgagaacttc atattcaagt cgggtgctca 240
gcgtgcc 247

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<212> DNA
<213> Glycine max

<223> Clone ID: 700909081H1

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atgctaggcg tgggtgtagag gggagggcta ggatgaagtt cggcgcccta ggagcttggtg 120
ccttggtggtg tacagggctt cctattgatc gattcatgac ttctgaagcg ttaggattta 180
cggctccctt gatgaatagt atagatgcag ttccagaccg agatttggtg ctggagtttc 240
tttctgctaa tgcca 255

<210> 23725
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700909083H1

<400> 23725
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aagtcttacc caactgtgag tgctgattac cagaaggccg ttgagaaggc gaagaagaag 120
ctcagaggct tcacgcgtga gaagagatgc gtcctctaa tgctccgttt ggcatggcac 180
tctgctggaa cctttgacaa gggcacgaag accggtggac ccttcggaac catcaagcac 240
cctgccgaac tggctcacag 260

<210> 23726

095313-03300

<211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909084H1
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 gcttctggag attatgggaa tatgggttaga gaccccgctct ctaacatatt gcggtcttac 120
 tttcaaagt tgccatggga gacacagaaa ctaaatctga ttctgagctc cacaccatca 180
 ttcatttcct ctgtttcagg catagctgaa ggtgctcgat tgctgctttc ccaaacatat 240
 catggtgata gagttattg 259

<210> 23727
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909086H1
 <400> 23727
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 cgtcgatggt cctccggcaa ctgtgtccgg tgccgtgttc aatgtcgcca ccagtataat 120
 cggcgccgga gtactgtctc ttccggcgat tctcaaggtc ctcggcggtga ttccggcggt 180
 ggtgctgatt ctctgtgattg cgtgtcttgc cgaactatcg gtggagttcc tcatgacggt 240
 cagcggtg 248

<210> 23728
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909087H1
 <400> 23728
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 aactgatgca gctaataacg gtatccataa accttctttg ttgggtgccca ataagaccac 120
 ccttgccac cacgttgcac ggcgtctagt tgaaatcggg atcaaagacg tattcaccgt 180

<223> Clone ID: 700909093H1

<400> 23734

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agtacagcac agaatggggc gcaaagagaa gcagaacgcg aaggcaatag atgaggaaca 120
cgacgtagta aattttaacg gcgcttcaac gccgtccctc gttttcagca gcgacgacga 180
tgaagccaac caagatctca gcctcaagat cgtcgaaaag gccatgcgaa tccgcgcgcg 240
caaa 244

<210> 23735

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909094H1

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ggggagggtcc tgccggcctc aagcacgttg aagttgccgt tcccagtcca aaggcaaattg 120
aggttttaat caaactggaa gcagtttagca ttaaccctat tgattggaag attcagaagg 180
gtcttctccg tcctttatct ctccccagaa cctttcccca cataccgtgg acatatgtgg 240
ctggagaaat agttga 256

<210> 23736

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700909095H1

<400> 23736

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tatatgaata ggcaatttct ttctttctgt aaatctccta cccagttttc tcctaataaa 120
aattaatctt gacttagaaa ttgaagtata tttagtattc aatcatttaa cttctcttaa 180
tctttgacct tcttcttttg aaggagctag taccatgcat ggttgtctac tttgtcttct 240
at 242

003220-03560

<210> 23737
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909065H1

<400> 23737

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 gccaggagat tttggctttg atcctctagg tcttgcatct gatcctgaga gcctgagatg 180
 gaatgtccaa gcagagcttg tgcactgcag atgggccatg ttgggagctg ctggcatgtt 240
 catcccagaa ttcctcacia 260

<210> 23738
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909014H1

<400> 23738

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 gaaaccatca tctgggtcgc gaagattttt tggaaaaaaa aagaaagttt aataatctcc 180
 gatggcttcg gctgctatct tctcgtcgtt acggcggcgc cggtcgccgt cgctggaggg 240
 gtttctggcg ccgg 254

<210> 23739
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909016H1

<400> 23739

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 tttagaata attgctgaat tgtgtcaccg ttttaagtcac atagtattgt gctgtgcttg 120

agccttaagg tctgtgttg tatgtatttg cttttatctg cctttatgac gcgatcatgt 180
 gaaagtacga tgtaataact gctcacctga gtactgttgt tgggtgtttg gggatatgatg 240
 tatcataatg ctt 253

<210> 23740
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909019H1

<400> 23740

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 tgtttcatgc tgtatgcgag agcactctca attacctggg gagacactcc agaattattgg 120
 atatgggtac aacagaaaga aacaagtggc acgatagtag agttggctaa gttgaaaagg 180
 gtttgctggc tagaagtgca tggaaaattt gacacaagaa agctttcact aggaattcta 240
 tatcaagtgt catttctaatt tatgttgtaa 270

<210> 23741
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909020H1

<400> 23741

gagtgagtga gtgagagaag gagattctga tttgatctcg ccttaatctc tcagatctga 60
 gcttgccgctc gtcggaatcc aactcaatct gggtcggatt cttaggtatc accgctccac 120
 tattagttta agcctctcaa taaaagggtt ttatttcgct tcaaattcga ggtttgattt 180
 gaagttggaa tagcttaact gttgtgtaaa acagccagca cacacaagca tgggaagcca 240
 agacaacaac gtagcattgt catc 264

<210> 23742
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909021H1

002260-ETTES60

<400> 23742
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cgcttcattg tcagaagcaa cagtagttgg ttatggctac accatctcaa ctgtcaacaa 120
ttatcccata aagaattctt tgactgcaaa ccttaacctc atcaaactct cctctgtttc 180
cggacccgac attccacacc t 201

<210> 23743
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700909023H1

<400> 23743
ggctttgatt tcgcttccga agcgacaagc agcaccact ctctcttctc ggaccttcca 60
aacatggaac gcatcggttg cggaagtagc aagctcgggc gcaagatcgg aagtggatcc 120
ttcggcgaaa tctacctcgc gacgcatatt gataccttcg agatcgtcgc cgtcaagatc 180
gagaatagta aaacaaaaca tccccaaactg ctttacgagg caaagctcta caatattctt 240
caaggaggaa gtggcatt 258

<210> 23744
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700909024H1

<400> 23744
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tctgtttcaa atttcaaccc aaggagcttg ggaacaaact cctgctcctt cttctccttg 120
gtcatagagg caccattttt ggtttattga taggcaatgg gaggtgcact gggaaagagt 180
gaatcaccta gaaagggatc gatgccagaa actaagctcg aggct 225

<210> 23745
<211> 253
<212> DNA
<213> Glycine max

00330-ETFE60

<223> Clone ID: 700909026H1

<400> 23745

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gaaacctctt taagtagtgg cagtatgcca tcatgccctc caggatgcca aatttcacgt 120
ggtgtgaagc atatacatca tccccagcaa caggtaacacc atatacctaa catgggtgat 180
gcctcttaca gcacacggga aatgcacaca accgatgccc tccctgcagc ccccatccct 240
tctgaggccg gga 253

<210> 23746

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909028H1

<400> 23746

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ccaccgggt taactgctga agagtctgag gacctcaaac cctccgtgct ggagcaccac 120
acctactctg tcacaccac ccgcaaagc tccctccctcc tcgcgaggc natccacgcg 180
ccaccacagc cgggtgtggtc cgctcgtgcgc tgcttcgaca acccacaggc ctacaagcac 240
ttcatcaaga gc 252

<210> 23747

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909029H1

<400> 23747

cggctcgaga taaatagttg ctcagatccg tgttactctc cccagacca attgcgtcaa 60
attcacgatg atcaccatca tgatggtcgc cgacaccgtc gccgtaaccg ccgcaaagg 120
cctcggcgtc cttcgggcct atcaatccac ctgtaacttt tccgtcgccg atcagatctc 180
cgccatgatt cagacttacg acgccgtcgc gccgccgccg gtcaagccta ctacctacag 240
gctaagacg 249

002220-032500

gtccccaaga cagaaaaaac tggatgtccc atctcgaccc tcagaaactc cgcatcaacc 180
 aaatcgtctg gcccggcacc cagactccg caaccaacaa aattggcatc cctctcctca 240
 ctgccccctt cgcccagtgc caatccctct cca 273

<210> 23751
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909039H1

<400> 23751

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 gtgaatgttg ctgagttaat agttggccgt ggctttggaa ctgtcattag acatcgtgac 120
 tttgaagaga gatctaacta ttatgatgct cttcttgctg ctgaatcacg tgcaatttct 180
 ggaaggaaag gcaccactc tgccaaggat cctccagtga tgcataaac tgatttgacc 240
 acggcatcgg ctaagaaa 258

<210> 23752
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909043H1

<400> 23752

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 ttcacccttt gcctctgaaa gaaatgggta gtcttgaagc ggaaagaaca acagtaggat 120
 tggcagcaag agacccttca gggattctct ccccatcac ctacaatcta agaaacacag 180
 gccctgatga tgtttacatt aaagttcact actgtggaat ttgccattct gatctccacc 240
 agattaaa 248

<210> 23753
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909044H1

<400> 23753
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 agactcgata catagactct ggaacatatt ccatcaccaa attaagaaaa agttccagag 120
 tctatgtatc gagtctcaaa gttctatagt aatactaate agagcatgcc acttatttat 180
 gtaaaacttt acatgcgcca gatcttcagg gggctggctt atatccacac tggtcctgga 240
 gggtgccac 249

<210> 23754
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909046H1

<400> 23754
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 gctataaatg ctagttttaa tattgaagct ctacaaaatc gagttggtac tgaaactgag 120
 aatgtgttta atgatacctt ctgggaaaac ttgagtgtcg ttgtaaatgc actggacaat 180
 gttaatgcaa gactatatgt tgatcagaga tgcttgatt tccaaaagcc tcttcttgag 240
 tctggaac 248

<210> 23755
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909050H1

<400> 23755
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 ttcggttgtg caagggttta aaagatggct gatgctgagg acattcaacc tcttggtgtt 120
 gataatggaa ctggaatggt caaggctggt tttgcagggtg atgatgctcc tagggccgtg 180
 ttccccagca ttattgggag accacgcat actggtgtta tggttgggat gggtcagaag 240
 gatgcttacg tgggtgatga agccca 266

<210> 23756
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909052H1

 <400> 23756

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 aacgtttttg aggggttgata gagcacgatg gttcagtaca attttaagaa gattaccgtg 120
 gtgccaaatg ggaaggatgt ggtcgacatt atcctctctc gcaccagcg tcagacacca 180
 accgttgtgc acaaaggata tgcgatttca cggctgcgcc aattctacat gcgcaaagtg 240
 aagtatacgc agcagaattt tcac 264

<210> 23757
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909053H1

 <400> 23757

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 tctcgccaga gaaaccctca gatcggcgca tcctcgtttt gctcgatgac ttcgccatca 120
 aatcctctca ctctctcttc ttcaactccc tcaaactctcg cggcttcgat ctccaattcc 180
 acctcgccga cgaccccaaa attgcgctcc agagatacgg ccagtacctc tacgacgcc 240
 taattctctt ttccccccacc a 261

<210> 23758
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909054H1

 <400> 23758

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 ggagggaaaa tggagagagc tgaagcaatt catagagata tgcaagtcca atccctcact 120
 tctccacaat ccatctctgt gattcttcaa gacttatctt ctcagcctcg gtgctcgcat 180

ccctcccaaa cccaaaacgg aaccaggtga ttttgatgac aagtcagatc tcctttatcc 240
gcacaaaatg a 251

<210> 23759
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700909056H1
<400> 23759

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cgcggtggacg aaagcggcga cactgacgcg aattgggacc aaacgctcac aattccgttg 120
ccaccaaagc ctctcgagga tcaaacgttg tacatcgacg tgggtccacgc cggctcggag 180
gaggacacca agccgcttat cggctcggct cggctcaagc tgggtggacat tctcgacgac 240
gttggaatcg gcg 253

<210> 23760
<211> 113
<212> DNA
<213> Glycine max
<223> Clone ID: 700909060H1
<400> 23760

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tggtgtcctt cttcaaatac cgtaaaacct tcaagaatcc accacttcca cac 113

<210> 23761
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700909061H1
<400> 23761

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ttggcttcac tagcctcttc tgcattctgt gcctttccac ggaggccagt ggatgttcca 120
ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180

tctgagattc aacttcatct tgacaagtac actggtactg gcttccagtc caaaggggtca 240
tactt 245

<210> 23762
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700909062H1

<400> 23762

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caaaacaact aaagccttgg gtcttctaaa ttcttatgtt gatgcccgt gatcaccttg 120
atcagcatca ttgttgctcc acaagcggga gcagcacgag cattgttcgt gtatggcgat 180
tcgcttgctg actacgggaa caacaatttc ttggccacca cggcgctgc cgattcatat 240
cct 243

<210> 23763
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909013H1

<400> 23763

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cggtaacct gccggccgca tcgtgatgga gctctacgcc gacgtgactc cgagcaccgc 120
cgagaacttc cgcgcgctct gcaccggcga gaagggcgcc gggcggagcg gcaagcccct 180
ccactacaaa ggctcgtcct tccaccgct gatccgaac ttcatgtgcc agggcggcga 240
cttcaccgcc gga 253

<210> 23764
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700908971H1

<400> 23764

002220-ETTES60

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 attaattcga ttgtaaaaaa atcaagaatt cctaagtaaa ttaagtaa atcagatttat 120
 ataaaaaatt caaaattagt gtcattacta ttactgatca atcaaaatat ctatcaaaag 180
 taaaaagcga agagaaggga aaaactttaa tttttttatg gtaaaaaatt caattatacc 240
 tgttatttca ca 252

<210> 23765
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908976H1

<400> 23765

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 aactcgctga tcataacttgc aagcaagccc ccatccaata gcaatgccac ctcaaataca 120
 ctttttagca tctccaagtc cttcactatt tatltatgct ctcatgcat tgagtgcctc 180
 aagtgtgcct ttgggggtgat tctgtagtgt tggaaatata aaagaggagt gtggacttta 240
 aaagggtgta 248

<210> 23766
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908977H1

<400> 23766

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 gaatttagag agagaatttt attttgtttt ttcggttatc tttattgggt tctcttacat 120
 cgtttttgta ggcgctgagg aagaagcttt ggcagcataa ctttggtggg gagcataaaa 180
 ttcaggcaag cccttgaagt tggagagtat tagatgggaa tcttagaatt ttctcttttag 240
 accaaag 247

<210> 23767
 <211> 268

00531143-032000

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908980H1
 <400> 23767
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 tccttgattg ttccagggtgc acatgatcag aaactaaagc ttgtttctcg accctttgta 120
 tcaacgagtc acctcattcc cgtagtagac atagtttaggc tctttgacat tcatgggtgtt 180
 gatgtcacca taatcatcac cataggcagt gccgccattt tgcagagctc tatcgatcgc 240
 gaccgtgacc gcggccacgc tattagaa 268

<210> 23768
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908982H1
 <400> 23768
 aaaaaccgct ctcttctcca acgctgtctg tcaccttaaa aaacaaagtt ccacttcac 60
 agattcacct aaaccacacc attcgcatca acacagcact tgtttggtcc caactccgaa 120
 aaatatcatg ctcttaacgt aatatcctcg gtttccccgt tcaaccgca tctcaaaaaa 180
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 aaaccaatcc cca 253

<210> 23769
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908984H1
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 catcatttcg gtgaaagga tcaaaggccg tttgaaccgt cttccctcgg cctgcgttgg 180
 cgacatgggt atggccaccg tgaagaaggg aaaacccgat ctgaggaaga aggtcttgcc 240

agctgtcat

249

<210> 23770
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700908986H1

<400> 23770

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tcgtcgtcgc agactcctcc gatccgaagc ggcggcgccct cgagccagtc gaggagaaaa 120
agccgcccgc gacgccggac gactcgcggc ggctgtttca gcggctgtgg accgacgagg 180
acgagatcga gctcttgcaa ggcttcctag actacacctc gcagcgagga tcctcgcacc 240
acaacgac 248

<210> 23771
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908987H1

<400> 23771

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gatgccagac tatcaatcat caacgcaagc ccaattgtgc tatttataat atttttatca 120
atggatttgg gaaagcaggc aacgttgata ttgcttgtga tttgttcaaa aggatgggta 180
aggaagggat aaggcctgac ttgaagtctt ataccattct tgtagaatgt ctgttcatga 240
ctggtagag 249

<210> 23772
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700908988H1

<400> 23772

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acaacagcaa tgacttttgg aaattcagtg accagttgag gcttgaatct ggtttggcca 120
atctgtctct gaatgattat tccatttggg gcaacagcta cagctccaag aggctgatc 180
agaggaggaa ctttgatgtc aagggcagtg atttcaacaa ctcatcaaag ctttttgatg 240
atgatttcaa 250

<210> 23773
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908989H1

<400> 23773

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gacaccctag tactctataa gtagcatgtg catgcacctt agtcttcacc aaaatactcc 120
tcttggcatc ttgtagtgtg tccctctagt aagctatttc cttctcttaa cacaattggg 180
tgtgccaatt gcgtgaggtc accaaccaat taacaaaggt atatatatca tcatatcatc 240
accaaagtaa aaatattgg 259

<210> 23774
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700908992H1

<400> 23774

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agtagtcaag gaagatatgg agttttctat gattttcatt gtttagcaaca ttatgctgct 120
tttcagttca gcatttgcca aaactgctag tcctccctct ctgagcccaa ctccagcacc 180
agccccggca ccagacttcg tgaacctcac tgagttactc agtggttctg gtccgtttca 240
ca 242

<210> 23775
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700908993H1

<400> 23775

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cttctttcttc ttctctcttc aaccatgaga gagatcctgc acgttcaggg aggccaatgc 120
ggtaacacaaa tcggttccaa gttctgggag gtgatatgcg acgagcacgg catcgatcct 180
accggaaagt acaacgacga aggcaacagc ggcattcaac tcgagaggat caatgtctat 240
tacaatg 247

<210> 23776

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700908994H1

<400> 23776

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acgctgtcgt atcgtaattc gccaccacac tgaccacctc ccgtcctccg ccgtgaagtt 120
cagcgggtggc ttttattttc cgtttgact gtgtcgcagc actgccgcca ctatcccctg 180
tttctcttct cttcgccaac aacacaaaca ccaacatcaa acagcgggtg ctttttttagt 240
tactt 245

<210> 23777

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908995H1

<400> 23777

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gaaagaccat cacccttgag gtggaaagct ctgacaccat cgacaacgtc aaggccaaga 120
tccaggacaa ggaaggaatt cccccggatc agcaacgtct catcttcgcc ggaaagcagc 180
tcgaggacgg ccgtaccctc gccgactaca acatccagaa ggagtcaact cttcnnactt 240

gtcttcgt 248

<210> 23778
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700908996H1

<400> 23778

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tggacagtct tatcttgtgt ccaggcttgc tcctaatacac tccagaaact gttctaccac 180
tggtagttac ttcaatggag gtttgcagtc ttacaggttg gttccagtcg cggcacacgc 240
gccggctgag a 251

<210> 23779
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700909002H1

<400> 23779

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ctctctgccca acaaccaaac ccagaaaagt taaccccttt ccctttttct cgaacaaaaa 120
gacacgattt ttaacgaaac aaacgcgacc cagaagcaga agaagcctct ccctaaccac 180
tgcacgcgtt gcggcgccac cctcaactgt tgaagccgat caatcatacc cggagaccga 240
aaataacgaa actgaggaag agtttaacga tgaaa 275

<210> 23780
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700909003H1

<400> 23780

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<223> Clone ID: 700909007H1

<400> 23783

cggctcgaga attataagca tgggtttgtg gaacacaacg aatgcagtgt cttgccgctt 60
tcacaagttt ggtgatgacc aaaagaatct ggtcttccaa ggtgatgcca cgtcttcttc 120
caggggcata gaactcacia agttagacgg tggaggaaaa ccagtgggtg gcagtgtggg 180
gagagtgtta tactcttctc cagtgcacct ttgggaaagc tctacagtgg tcgcaagctt 240
tgaaaaccgac ttcacctttt c 261

<210> 23784

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700909008H1

<400> 23784

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tggagcttgt atggcttatt gattggtggg caggagttaa ggtccaaata ttcacagatc 120
atgaaacctt tcgtttaatg ggtaaagagc atgcacttgt gataagcaat cacagaagtg 180
atattgattg gcttggttga tgggtttcag ctcagcggtc aggttgtctt ggcagcactc 240
tagctgtgat gaagaaatc 259

<210> 23785

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700909009H1

<400> 23785

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ctcactcttc ttcttctct tcgtgtggtt ttttttctcg aactcgaacg aagatgcgtg 120
agattcttca catccaggga ggtcaatgcg ggaaccagat cggagccaag ttctgggagg 180
tgggtgtgcgc ggacaccggg atcgattcaa cggggaggta ccaaggggac aacgagttgc 240
aactcgagcg agtcaacgtc tactacaatg aa 272

0953113-03200

<210> 23786
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909010H1

 <400> 23786

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 aagaaaggag gacacagaaa gcaacaatct tcatcaatat actcatcttg ttcacctcag 180
 ctactcctt ccttcatctt cttgcagctc ttctaccaa ggtctcaaaa caaagcatc 240
 attagaagtg gtaca 255

<210> 23787
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909012H1

 <400> 23787

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 tggaatggta cttggttttc acttctctat ccattgtcct gtctcagctt ccaaacctca 180
 attcaattgc aggactctca ctcatcgggg cagtgcagc cataacttac tccaccatgg 240
 tttgggtact ct 252

<210> 23788
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908969H1

 <400> 23788

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 tgtgctttgc tttctcacct tcttcttcat ttctttcatc atcatcatca tcacaatata 120

0953113-032200

aagtttgctc ctttctcagt tttcacccat acccagatgt gtaacagcac catctcggat 180
 ctgtgtccct cctttaagtg aaaaagggtc aatctttggt ctctgaggct gttgggtttt 240
 cgtcattgaa ga 252

<210> 23789
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908922H1

<400> 23789

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 aggctcgagt tcctctaccc actgatgagg ttcatacagt gggacaagcc cccaatcaat 120
 tcattcagtg gtcaagaaga cttgtgaagt ctatgtcagc caaggctggt gtcgaatcta 180
 gcaaagatgc tccacacaaa aggttgaac ctcaactga tccgctcgaa cgcttgttga 240
 taatagtaag caaaatt 257

<210> 23790
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908923H1

<400> 23790

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 gattctgatt ctgagtcctt gctgctatat atggcgccac gcgtatttct tgtgttgggg 120
 atgttgctga tgggtgacct tgtaagggt tcgtctgac caaagagaga agaagaaata 180
 ctggaagaag aactacattt tcccataac gagccactta ttgtgagaga cggaacaga 240
 aggctaatgc aagacat 257

<210> 23791
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908924H1

<400> 23791

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cgccctctct tcagcttcca ttctacgctc tcccaaccgc cagtctctga ccagaagagc 120
gaaccacaac ggaagagtaa attaccgtca accgaatagc cgtttctccg tcaaagcctc 180
cgccaaagag attgcctttg accagcattc ccgctctgct atgcaggccg gcattgacaa 240
gctcgccgac gccgtcgggc 260

<210> 23792

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908926H1

<400> 23792

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atztatcaga acaaattttt attcaagaat aaagtagttc ttgatgttgg tgctgggact 120
gggattttat cactattttg tgccaaagca ggggcagaac acgtctatgc gggtgagtgc 180
tcccatatgg ctgacatggc gaaggagatt gttgaagcta acggttactc taatgttgta 240
acagttttga aggg 254

<210> 23793

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700908927H1

<400> 23793

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acaggagctg tgccgaagag gcaacttcggg tgttgaatgg gaccctgttg ggtgggtcaaa 120
atgttcgtct ttcatggggc cgcagtcctt caaacaacaa ggctcaggca gatccaaacc 180
agtggaatgg tgggtgctggt tctgggtggtg gatactatgg gtatgctgca caaggttatg 240
aaaattatgg gta 253

<210> 23794

<211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908928H1

 <400> 23794

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 gcatcttggtg ttgtgtccct cttttaagct atttccttct cttaacacaa ttggttgtgc 180
 caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa 240
 tgaaaaatat tggg 254

<210> 23795
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908929H1

 <400> 23795

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 tccacgtcct agatctgttg ttctcttccc acagttctca ctgaatcagg atccattttg 120
 ataccaagtt gctgtttaga gatctgtttc cttctagaca acggtctgtg ctatctgtta 180
 ttttagttga atcgaagctg caacaaaatc ttctgatct ttgctttgag gttatggcat 240
 cggtgggtgt agc 253

<210> 23796
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908930H1

 <400> 23796

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 ttgttgaagt gcaacgccat ggatccagat cagggcactt caaaagcccg gaagcccaag 120
 ttcaaaccga ggaatctcaa agcagtcgga gtcctcaaaa ccgaagcgga tgataagcga 180

aacgaagata gcgaagtgcc tcgagctctc tcgcgtcgac gacatgaaaa tcctgcaaaa 240
cgcgagccta aag 253

<210> 23797
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700908931H1

<400> 23797

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attcttgttt ctgctgtagc tttagttagt agctaagcac ctcagaaacc agatctctgt 120
agaaagtga gttttttttt tgggtcgaat tctattcttt gttgtaccaa catgctctcc 180
acggattccc ttttgaaaaa tttccctggt tctgtaaacg gattcatatt tgaaaacggt 240
ccg 243

<210> 23798
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700908932H1

<400> 23798

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tttgtctgtg attcgaagga aagggaactgt gacgatttct gtgattaggt ctcgttcgtc 120
gtaattggcc taaccggcct tgccgaccat cctgctatat caccacccat attctgagtc 180
ccttttctca tccaattctt tttcttgtat cttttttcaa ttttaaattg ttcttcgctg 240
tcagtattgg ttgtgtggta tcagattc 268

<210> 23799
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908935H1

<400> 23799

002222-032200

gagaattcgt tttctctcct ctgtgtctgt cgtctaaagc ttaattccga tggggactcc 60
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 gcccttcaca tgcgatcgct gtaatcagat atattgtttg gagcaccgag gttatattaa 180
 acataaatgc acaaaggcca acaaacatga tgtcacagtt gccatatgcc ctctttgtgc 240
 caaaggagtt cgcctc 256

<210> 23800
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908937H1

<400> 23800

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 tcgcttttct cacaaaacaa aaaaaattaa aaatttctcc gaagactgtg tattatcggt 180
 atcgttcact gagttagggt ttgctgttct tcttaggggt ttattgtgtc caataacaag 240
 aggaggggga agagaaa 257

<210> 23801
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908939H1

<400> 23801

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 gttacagaag aagatatcaa aacataaatt ggctgggtcaa aatctgaatc cttcggaagg 180
 ccagataaat gatgaaacca tatctattga atctgggttg catcttcctg atggttcatt 240
 gaacaaggta cctgac 256

<210> 23802
 <211> 253
 <212> DNA

005313-032300

<213> Glycine max
 <223> Clone ID: 700908941H1
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 agcctccaaa tccgtttcaa gatcgagaa agctggtctc caattccccg ttggaagaat 180
 cgctcgattc ctttaaggctg ggaaatacgc tgagcgtgtt ggtgctggtg ctctgtgta 240
 cctctctgca gtg 253

<210> 23803
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908942H1
 <400> 23803
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 ggagattttc a 131

<210> 23804
 <211> 194
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908944H1
 <400> 23804
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 aacgaagcca tagaccggcg agagcgtctc cggcgactgg ctctggagac catagacttg 120
 gcgaaggatc cctatttcat gcgcaaccac ctcggaagct acgaatgcaa actctgtctc 180
 actctccaca acaa 194

<210> 23805
 <211> 245
 <212> DNA

002220" E.T.F.E.S.60

<213> Glycine max

<223> Clone ID: 700908945H1

<400> 23805

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tctcgcaaag ttttagtcat catggctaag gaaaagactc acatcaacat tgtcgtcatt 120
ggacatatcg actctgggaa gtcaactacc actggtcatt ttatcaacaa gcttggaggt 180
attgacaagc gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagaggtca 240
ttcaa 245

<210> 23806

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700908947H1

<400> 23806

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tgttgcgttg ggggtgcgcgc tggagatagg gtacttcggg cggaaggaag cggaggagggc 120
gatgatgaag gaggggttg tggagaagct ggtggagttg cagaggtcgg agaaaggtgg 180
ggatttgatt gagattggaa gggaaaaggt tagtgggggt ttggagagaa aaccttttgc 240
gagctgcgtg gcgaggtttg cggg 264

<210> 23807

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908948H1

<400> 23807

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tgcttcaacc tgccttccta cagtggtatt cggcaaggct ccgatcacgc gccaaagttc 120
aaggccaccg tcaactttaa cggcgagatc ttcgagaccc ctcaactactg ctccactctc 180
cgtcaggccg aacactccgc cgccgaagcc gctctcaatt ccctctccca ccgtggcccc 240

tcccattccc t

251

<210> 23808
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700908954H1

<400> 23808

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gtttctatat tctcatcact cgcgctcttc ttctgcttct tctccctcca ttaggggttg 180
cttaatgctg aatgtggctt cctcgcgcgc acattgaccc ttgacacacc ataatgtccg 240
gccctctcga ctgttttcga agaccctgt 269

<210> 23809
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908959H1

<400> 23809

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gtcttttaag gactccttga aactgcttga agctgatatt caccatgcca ataccctggc 120
gtcagatttt ccaaggggaat atgatggtgc gtgccttcag atgagaatgt catatagtcc 180
agcagcacac ctgtttctct tattggtgca atggacagac tgctaattct gccggagccc 240
ttggactggt aag 253

<210> 23810
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700908962H1

<400> 23810

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002260" E.T.F.560

ctctttttct cacttcacaa cttttatttc tgtttgagtt ctccaatggc agctcctgca 120
ccattctctc tttcttctga tcccttcgct tccaaatctg ccacatcaac gatctttggt 180
cctgccgcgc tgaaaaaagg gaactttgag caaaccatt tcggaatttt cacggcttta 240
aggagaa 247

<210> 23811
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700908964H1

<400> 23811

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atgggtcactg gcactgtctt ctgtgaccaa tgcaaagacg gacagagatc ccttttcgat 180
tatectatta atgggtgcaa agtaactctg tctgtgctg acagtaatgg acaaattaca 240
atgtcaagag aagaaacaac aaactgggtt ggaagc 276

<210> 23812
<211> 254
<212> DNA
<213> Glycine max

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tcgaggattt cgagaagcct cacacccttc cttaacaacc cttttctttc tttcaattag 180
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atcaacgaac ccgacgttat ttccaccgcc accgacccat tggacgaaac cctaggccac 180
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ggagttgaag tgaggcatta tgatctgctt ccagagaaaag gttgggaggt tgatctagat 180
gctgttgaag ctcttgctga tcagaacact gttgctttgg tgattataaa tcctgggaat 240
ccttggtgga atgtgtaca 259

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aacttgatca acttcatgca gaagctgatg ccaccagaac caaggcaact aatgctagat 240
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gaaaaacccc aaacacaaac ctaaaaaacc cccaccacca ccactcaaaa agctataacc 180
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agaacaacaa actc 254

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tcaaatcaaa gaaa 254

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<211> 255

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ccacaaggcc aacggtgcc a cgtgtcaccc tgagcaagaa gcgggcctgt tgggcttcaa 180

atccggtatc cgatccgacc cgtccggcct gctcagtaac tggatatcgg gtacggactg 240

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gcctcctgag aaggattctg tcccatgcaa cttctcctt cgccttctca gaaccgcaa 180

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agaccaagct tc 252

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 ctcatcgcct ccgagaactt cacctccttc gcagtcacg aggccctcgg cagcggcctc 180
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 ccaccagtgg cacaattgaa gatctccacc tagaaccacc ttacatctg tccctttttc 180
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 agttttctcag taatttggat cagatcaaatt tgcttggaact tcacccatca atgtccatgg 180
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<223> Clone ID: 700908896H1

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 acttgacgct tcagcacagt cactatcaat tcccctagta gtcacgagc ttcttccaag 180
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ggacaattgg caagcgtttg gccagcatca gtgtagagaa tgttgaatcc aacaggcgtg 240
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aaactggtta aggccctttg tgcagagcac aatgttagcc tgctgacagt tccgagtgc 180
aagacccttg gagaatgggc tggtttgtgc aagattgatt ccgaaggaaa agcaaggaag 240
gttactgggtt gctcctgtgt gg 262

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<223> Clone ID: 700908908H1

<400> 23831

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095413-03200

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gagatttagc gattcacgtg attctcagta agttaggagc ccaagacact gccagagtcg 180
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<210> 23837

<211> 253

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<223> Clone ID: 700908916H1

<400> 23837

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cgagatcgaa tggctcccca tggctgctta accccatcaa atccaaatcc ttctgtttct 180
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cagaccaagg cct 253

<210> 23838

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<212> DNA

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<223> Clone ID: 700908918H1

002220 002220 002220

Abstract The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were 15 men, 40.0 ± 1.5 years old, who were sedentary and had no cardiovascular disease. They were randomly assigned to a 12-week training program (n = 8) or a control group (n = 7). The training program consisted of three sessions per week, each lasting 30 minutes, at a heart rate of 150 beats per minute. The control group did not exercise. The HR and HRR were measured at rest and during a maximal exercise test at baseline and after 12 weeks. The results showed that the training program significantly increased the HR and HRR of the subjects. The HR at rest increased from 68.0 ± 1.5 to 72.0 ± 1.5 beats per minute (p < 0.05). The HRR at rest increased from 22.0 ± 1.5 to 26.0 ± 1.5 beats per minute (p < 0.05). The HR during maximal exercise increased from 170.0 ± 1.5 to 175.0 ± 1.5 beats per minute (p < 0.05). The HRR during maximal exercise increased from 102.0 ± 1.5 to 107.0 ± 1.5 beats per minute (p < 0.05). The results suggest that a 12-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

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caccgtcaat gcctcctect cctcctcgtg actcagcgga accgtcaccg ccgccgccac	180
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<400> 23846

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agtttcactt cttgttag 258

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<223> Clone ID: 700908856H1

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tcataagatc accttt 256

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<211> 257

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262

<210> 23858
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<212> DNA
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gaatcccccc ggaccagcaa cgtctcattt tcgccggaaa gcaacttgag gacggccgta 180

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<223> Clone ID: 700908866H1

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gctcatctcc tacaccagca acacttttcc tacggactac gtgccaaactg tctttgacaa 240

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 ctggagaata caaaggggag caccatgggtg aacccagtag tgagtacaaa ggagagcatc 180
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<400> 23864

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<223> Clone ID: 700908877H1

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ccctgatgat gtcactaagg gggagcagaa ggatcctgag tacctcaaac tacagccatt 180
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<223> Clone ID: 700908831H1

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<223> Clone ID: 700908794H1

<400> 23867

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 tatgcgagtt cttggagaag gccctaattg aggtcatgac aatgcttgtg ctagagcaag 180
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<223> Clone ID: 700908796H1

<400> 23868

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taacatatta acattagagt gcaagaagta gggcttcaat ctgaaggaga ataagatcat 180
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aaaggaaagt 250

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<223> Clone ID: 700908801H1

<400> 23869

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gacaaattat tccattccac ca 262

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<223> Clone ID: 700908803H1

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gaaccctca catcggttac catgttgatg ggactactcg caaattcttc gagggttggt 240
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 <400> 23874

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 caaaggaaag caagtcgtag tttttcttga ctacgatgga actctctccc caattgttgc 180
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 <223> Clone ID: 700908810H1

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 cacttgtagc atcttggggg atccgtgcc ataagccaag tgcagctaaa tggcttgatc 180

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ctacaaattt gtctgag 257

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<400> 23877

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ctccggcaac tccgcaacgg gctggacaac ccagaacaac tgccatggcc ggacgagggc 180
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<223> Clone ID: 700908813H1

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<223> Clone ID: 700908814H1

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<223> Clone ID: 700908815H1

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<223> Clone ID: 700908817H1

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ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180
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tcaccttgct cttcgtctc 259

<210> 23882
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 ggtttaatgt tgtatcttgt atgcttaatt attttatccc aatttttttaa aagaattttg 180
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 agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgacccga 180
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[illegible]

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<223> Clone ID: 700908785H1

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908786H1

<400> 23911

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 ttgttgaccc tactgtaagc acaaatacaa tgccatccct aaaaatgaag agcaaagtaa 180
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 caaaa 245

<210> 23912
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908787H1

<400> 23912

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catcatcttt gatgatgccc atcctcctgg tcattctctt ggccttggtt tctccttcat 120
taggctttcc tttagcatct ttccaaccaa aagacaattt cctcattgat tgtggtgctg 180
aaaacacagc cactctccct gatggaagac atttcaaata agaccctcaa tccagatcct 240
t 241

<210> 23913
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700908788H1

<400> 23913

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tgaagttgta tggtagacgt gtgttcattt cagatgaatt taatgaactg ttgcctaagt 180
acctaaactt tttgctgggt cttgttgatt ctgacacatt gccacttaat gtatcgcgag 240

<210> 23914
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700908789H1

<400> 23914

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atgagttcta ccttgggcag agagatggcg gtgactactg gacttctgat gccgggccat 180
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aaga 244

<210> 23915
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<212> DNA
<213> Glycine max

<223> Clone ID: 700908790H1

[illegible]

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<212>	DNA
<213>	Glycine max

<400> .. 23916

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<400> 23917

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ggtaaggcgg	ctgatctcac	atattgggag	agtgtctgcca	ggatgattgc	tgatgtatca	180
aaatcggaca	agatcgtggt	tgagaaaatcg	accgtgccta	tgaaaacagc	tgaggcaatt	240
g						241

<210> 23918
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908722H1

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 tccatggagc ctgggtattc tgggcacaac caccacttcc atcatggttt cgtgtctagg 180
 actttggggt atggcacttt ctacaaccga ggtgtagga gccattcgat ttctctgccg 240
 agatctggga g 251

<210> 23919
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908723H1

 <400> 23919

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 ctcacgccac cttctacgga ggatccgacg cttccggcac catgggggga acgtgtgggt 180
 atgggaacct gtacagccag gggtagcgtg tgaacacggc ggcattgagc acggcactct 240
 tcaacag 247

<210> 23920
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908724H1

 <400> 23920

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 tgataaacgg aatgatgaga gaaagagaat tagcttgagc accgagagta gtgaatttct 180

gttttcagat gtgattcctg gaaaatacag cctggaagtc aaacatagtg cccctggatc 240

a 241

<210> 23921

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908725H1

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ctctgcagca ctctgtgcca acccacgcag gccagtggat gtacaatttg gccgaaacta 120

cgtgcccaca tgggcctttg atcacatcaa atatttcaat ggtggttctg acattcagct 180

tcattcttgac aagtacactg gtactggctt ccagtcctaaa ggggtcttact tgtttggtca 240

cctcagca 248

<210> 23922

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908726H1

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ccctatccct gacgtcatga agtctccat ccgcccggac atcgtaact tcgtacactc 180

caacatctcc aagaacagcc gacaacccta tgcagtcagc cgccgcgctg gccaccagac 240

ttccgccg 248

<210> 23923

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700908727H1

<400> 23923

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atgaaggcat ggaaggttct tgggcgaccc ttgaaccttc catgccttca taacatgcat 120
aatcttcgcg ctctccggtg cta[^]caatgc acttgtggca ttcaataagt caagattttc 180
taggctttgt gggattatg caatggcttc taacgcttct gctttggcaa ttctcttggtg 240
ggc 243

<210> 23924
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908728H1

<400> 23924

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aaaattggga ggttttcgtt tgaattgtga tgtccaagcc actgctaggc ataggggagg 180
aggaaggcca aagcaatgtc actttgttgg tttcttctc agtcatcatg gaacgtgtgt 240
gcctga 246

<210> 23925
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908729H1

<400> 23925

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gtcccacagt catctaagtt tcgcctttgg gattctaggt aacattgcct ccttcgtgtg 180
ctttctggca ccactaccaa cattttatag agtttgtaag aagatatcaa ccgaagggtc 240
caatcaatt 249

<210> 23926
<211> 250

002260"CTTTE560

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908730H1
 <400> 23926

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 ttgctcgaaa ccgtaaactt attgtggact gggctccagc tggggatctt gaagaagcta 120
 cttataatga ggatcctgag gcgcataaag ctgctttgag tcttttaag ggtgctaata 180
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 agtatgctcg 250

<210> 23927
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908731H1
 <400> 23927

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 ggcattgggt cactccatcg tcaacgccaa ccttttcaac gttctagtgt gcgctcctga 180
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 agtacagatc g 251

<210> 23928
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908732H1
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 tgaaaatgcc ggtccattca aacgcaagcc taatgttact gtagccatag atgatagtgg 120
 agatttcaaa agcatcaatg aggcattgaa gcaagtgcct gagaaaaacc gaaagccatt 180
 tgtgatctac atcaaggagg gcgtttacca agagtatggt gaagttacaa aaaaaatgac 240

ccatgtggtg tttattgg

258

<210> 23929

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908733H1

<400> 23929

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ttggctcctga ataagaacat agataatttc ttgtctgaga atgaacaact tgcattttgc 120

cctgccattg tggttcctgg tgtatactac tcagatgata agatgcttca aaccaggata 180

ttctcttatg ctgattcaca aaggcacaga ctggaccaaa actatctgca acttcctgct 240

aatgctccca agtgt 255

<210> 23930

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908734H1

<400> 23930

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gctgctgttc aagaccctt tgaggaagct cgtgataatg ggcttgatc gggtgtctcg 120

atgtactgga ccacttgata ggtgaagaac gtctctggga acgttctcgt tgtgttggtg 180

tatacagtgt agagcatgta gaatattcag aagcttggga tccaagacgg tactgttggt 240

aaccctcatcg 250

<210> 23931

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908737H1

<400> 23931

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accggaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
 aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt cgccggaaag 180
 cagctcgagg acggccgtac cctcgccgac tacaacatcc agaaggagtc aactcttcac 240
 cttgtccttc 250

<210> 23932
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908738H1
 <400> 23932

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 acctcgctga aaattagggg ttctgttcgg aggtagacga agatgttcgg aagggaacgg 120
 aagaaaagcg acagcatcag gtactacgaa atcctcggcg ttctgaagaa cgcttcgccc 180
 gatgatttaa agaaggctta caagaaagcc gccattgaga accaccctga taaaggcggt 240
 gatcctg 247

<210> 23933
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908740H1
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 gcagaagaat ggatcaggag gttgttttct tagtggaagg aaattgaggg tgaaaaagga 180
 gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg ctgagcctga 240
 caga 244

<210> 23934
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908741H1

<400> 23934

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gaagggtccaa caattgtgtg atgcagccaa tcaggaagtt cctgaagctg agaagggttca 120
gattgccaat tacctgtgcc caggaaacta tgctgtctct gggggattaa aaggagttga 180
agtgctagaa tccaaggcaa agtctttcaa ggctcgaatg acggtgcgcc tagctgttgc 240
tggtgctt 248

<210> 23935

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700908742H1

<400> 23935

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tcctttttgcc attttcgttc aggcgcaggg atgtataata aacctaatcc ttgcttttgg 120
gtgggcttgt gctgcatttg tcaggaaccg agaaataaat agaataaaga agagtatgcg 180
gaatggcaat aactttgcat tcctttgtca tgatattagt gaacttgagc actccaatca 240
ggctg 245

<210> 23936

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700908743H1

<400> 23936

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ctaaccagta aaaatgggtga ccgtggagga aatccgcaac gctcagcgtt cccatggacc 180
cgccaccatc ttggccttcg gcaccgccac gccgtccaac tgcgtctccc aagccgatta 240
ccctga 246

<210> 23937
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908744H1

<400> 23937

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 caagttcctg ccctcacttt ctagattttc tgtcaagcgt ctctgcttcc tttcccatatc 180
 tcgtccgcac atttccgtgt tttagcgctc cgtcaacctg ttgaatagac tcgggtgtag 240
 ca 242

<210> 23938
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 <212> DNA
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<223> Clone ID: 700908746H1

<400> 23938

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 gcctccgccg atcctcccc ggaggagaag gaggagacca aacctgaagc caaggctaag 180
 aaaaccaagg agcccaaacc taaaaaggtt tccagacctc gcaaccctec cactcatcct 240
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<210> 23939
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908747H1

<400> 23939

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tccaaataat taatactatc tatgtaagcc aaaggtgctg aaaatgagta gtaaagcata 180
 gaaaacagta ggagtaaaga gaaaaaggat gaggtagaga gaaggtggga gtggcagaga 240
 gaagattaca a 251

<210> 23940
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908748H1

<400> 23940

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 gataataagc acatatatgg tcttggttcag tgcacaccgg acttgtcagg gtcagagtgt 180
 gatgattgct tggggcgggc cattcaagtc atcccaacag attgttgtga aagcagaaca 240
 ggtggttaagg ttg 253

<210> 23941
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908721H1

<400> 23941

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 ttgtttcaaa catccttaga aaaggtaaaa atttaaaaaa aagaaaagaa aatggtggct 120
 gtggtttccc aagaaaatgt tgcggcattg gtttaacgta ccggtaggga gttgcaacgt 180
 tatagaaaag gtcgtcgcca agttgtggga tgcataccgt acagatttaa gattggggag 240
 aagacttcct t 251

<210> 23942
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908750H1

002320-03200

<400> 23942
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catcgagcgc gcccaactcca ggcgaagagt tcgtgtacat ggcgacctgt cgaaacaggc 120
cagtcgctac ggggagatgg tggagttctt ggagacggtc tccgcctccg ccgaaaccga 180
ggacctgacc gtggagaagc gaaacttctt ctccgtcgcc taaaagaacg taatcgctgc 240
tctctgcgcc tcc 253

<210> 23943
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700908756H1

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ccgagttccc cttgagctcg aggttggaag gggtgcaaaa tagcttgaga gagaatgggt 180
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ggg 243

<210> 23944
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700908676H1

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acaacaactt aaacgatggc aggaggagct tatgtagatt cgggaaatgc aaagcaattt 180
gatgggaagg tcacggcatt cgtattgggtt acatgctttg tggcagccat gggaggctta 240
ctcttcgggtt 250

<210> 23945
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908677H1

 <400> 23945

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 agaaagacaa gaagaacagt gtttttcata agattcccaa atttccaaaa tttccagttc 180
 ctatcattgg cggtgaccag aaagttgttg tggatggtgg taatcatgcc attgccaagc 240
 ccgattttga aacaa 255

<210> 23946
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908679H1

 <400> 23946

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 caaagagaaa acccgtgttc accaaagtgg atcagctcaa acctggaacc aacggt caa 180
 cgttggtggc taaggtcttg tctccgaca ccgtcgtaca caaaccgaga cctcttccg 240
 cacacaacct caa 253

<210> 23947
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908680H1

 <400> 23947

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 ggacctcagg gtccatacta ctgtggtgtt ggccctgaca aggccttttg ccgtgacatt 180

gttgacgcac actacaaagc ctgtatttat gctggcatca acatcagtgg aattaatgga 240
gaagtgatgc ccgg 254

<210> 23948
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908682H1

<400> 23948

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tgaccagaac atagcacatc cagttcgaac ggtttacttt tataataagt ctgcatgtag 180
aggggaacgag gaagcagcac aagtaataaa ggatgctttg tcgaagggtc ttgttcacta 240
ttaccctat 249

<210> 23949
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700908684H1

<400> 23949

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ctgtgatgag aacatacaca gacgtaacat cagacattac tacattggaa tctctcatct 120
ctcagtcag tgaacgcact aatcggttaca cagacgagac agactagtta catggggaga 180
gacagtcctt atggggcaaa gagattgaac ttactgctga cattgataag ctgagag 237

<210> 23950
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700908685H1

<400> 23950

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002229-03200

accaagctcg caccatcaaa accctccctt cagatcaacc ttccaaggc ctcatagcct 120
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 agcgatcgtg tcaacaatgc gactagcaaa ggcacgc 217

<210> 23951
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908686H1

<400> 23951

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 atggggagta gcaagcgtgc ggcgacgacg gtggagttgg tgagagtgc gatgaggatt 180
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 ggaagac 247

<210> 23952
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700908687H1

<400> 23952

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 acgcagcttc cgctgacacc actccccggc agctacggcc tcccgttttt tggcagcata 120
 agcgcacaga cacaacctac ttctacacac caagcgacgc gtccacgntt cttcgacgac 180
 gagagattgc aaacacacaa ctc 203

<210> 23953
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908688H1

<400> 23953

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 tcatcgcggc gaagaacggt acgacgaagc aggtgctgct taccgaggcg gaaattcgtc 120
 aactctctgc ttcctccaaa gagatctttc tcagtcaacc taatcttctc gaactcgagg 180
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<210> 23954

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<213> Glycine max

<223> Clone ID: 700908690H1

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 caaagtcttg gaccaagatc actccaatct ccatttgggt tctccagaaa agcctccttt 180
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<210> 23955

<211> 249

<212> DNA

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<223> Clone ID: 700908692H1

<400> 23955

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 ctctgcctct tcaccactcc acctcctgcc ttctaagagg caatttagct tcaactgtag 180
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<210> 23956

<211> 256

<212> DNA

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<223> Clone ID: 700908694H1

<400> 23956

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ttttgtggtg gcagccacag ctggtagctt ttaccaagac ttgaaataa catgggggtg 180
tgagcgttgc ccaaaatcta tgaaaatgga aatcttctca cctctcct agacagagcc 240
tctggctctg gctttc 256

<210> 23957

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700908701H1

<400> 23957

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ggcaccgaag aagagcgata atacgagga ctacgaaatc ctggcggtct cgtagaacgc 180
ttcgcaggat gatctgaaga aggcttaca gacagccgcc atcatgtatc accctgacta 240
aggcgggtgat cccgagaag 259

<210> 23958

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908702H1

<400> 23958

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tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac 240

0953113.03260

caacatggtg atggttt

257

<210> 23959

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<212> DNA

<213> Glycine max

<223> Clone ID: 700908703H1

<400> 23959

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ctgtccgatg ctctggcgat tccccttccg gctctgtggg ttcggagttc gatccgaagg 180

tgtttcgtaa gaaccttact cggagtaaga attataaccg caaaggattt gggtagaagg 240

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<210> 23960

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700908704H1

<400> 23960

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gagatggcct caaatcctat tcccagcttg atctccctca ctccgttttt gggtctgaaa 180

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tca 243

<210> 23961

<211> 254

<212> DNA

<213> Glycine max

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<400> 23961

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 tggattaatt aactaggctt gagctatccg aataataata ataatagttt cggagaatgg 180
 aaaagaaaaa ggtagcagtt cccctcgtgt gccacggaca ctctcgcccc gtggttgatc 240
 tcttctacag tccc 254

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<223> Clone ID: 700908706H1

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 cgctctgcag tcccagcctc cgatcgcaac gccggcggtc cgcgccctca tctcccgcac 180
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<223> Clone ID: 700908711H1

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 tacaactacg aaaccaccga acttggtcac gagaacagga atggcaccta tcagtggatt 180
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 gtaat 245

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<223> Clone ID: 700908713H1

<400> 23964

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cagtgttgac gggatcgtcg gcaccggcctt agacttctta ggcagtgcac tcgatacagt 180
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gaaaggaaa 249

<210> 23965

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908716H1

<400> 23965

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agaatctacc aaagggaatg agtatttttc taggcaaagg aatgtgatac agacgaaggg 120
cttccgcata aaaagtatca tgagcagtc aatggatgct ttggctgttg cagatagagg 180
aataagattt gttttgcttc cggaccctat atttgacaag tttgagcagc aaaagagagc 240
atagatgctg gatatat 257

<210> 23966

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700908717H1

<400> 23966

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caaaaggctc accgtaccg ccttgacagt tggccgactc cgcggttggt gccgaggagg 180
tggcaagcca tagactatgt aagggtaaac cacagcacca tctcgttctt taatttgccg 240
gaaactgctg cgtcgtgctg ga 262

[illegible]

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<212>	DNA
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<400> 23968

<210>	23969
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<212>	DNA
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<400> 23969

9938

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 gccaaaggaaa ttggcttcat caagtatcgc taaaagagct gttgtcacct acggaccaat 240
 attatgttct ggcac 255

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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700908637H1

<400> 23970

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 aatcaagtca acagcagaag gctnacaaca ggggacacca tcaaattcac tgcgtagaaa 180
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<210> 23971
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<223> Clone ID: 700908638H1

<400> 23971

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 acctcatgtt atcactattg gagttgggga ggacattgtg gcaaaattat tgtcattatc 180
 acagcagaga ccaagggctc tgtgtatcat gtcgggcact gggacagtat cttcagtcac 240
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<210> 23972
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 <213> Glycine max

<223> Clone ID: 700908639H1

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aaaaaggatg aaattgagac agttgccaag gctaatcggt aaaccaacaa aggatacagt 180
attggtgacc agaaagattt tgtttcgacc tttgaacttc attttcaa atgtgtact 240
agttttgatg gcttttag                                     257
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agttgcgctc gctcttagag tcttggaagg gtgttgtttg cttaccctc agagtacggc	180
tctcgcccat caacacaacg ctattcaggt tttaatgaat atattatcca ctcgtggagt	240
gcttgagcaa ggtg	254

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cacctgattg	cagttaaaga	cctgaatgca	tccatagaag	aaaggaagtt	ccggagtgtc	180
gttatgaagt	tgggcaacat	ccaccacaag	aaccttgtga	agctggaagg	ttattgtttgc	240
gagtttaacc	atag					254

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908647H1

 <400> 23975

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 tttgtcttct tgagttttat cagagacggg agtgcaggga tcactatctc tttcattcgg 180
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<210> 23976
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908649H1

 <400> 23976

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 atgagtttga gcctagcatc atctcgtcac ctcttgcaaa caaccacaac gccccatttg 180
 cctggcactc ccactttgcc taaccaaca acactgccac ctttgccttc aaaccctaca 240
 ctgcctcagg gcaatgttcc cc 262

<210> 23977
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908650H1

 <400> 23977

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 tgatgggaga gatcctgttt gcccttactg tgatggagga tttgtgcaag aacttgacga 180
 gttgcgagga attgcaccca accataacca taccttttcg tcacagtcag gagactttca 240

258

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<400>      23978
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<223> Clone ID: 700908652H1

<400> 23979

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<223>      unsure at all n locations
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<400>      23980
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 cacatataacc caccctgcct cccacgccac atcgtaccog ctctngctcc ctctctctct 180
 ctctccgctn ctctctctct ctctaagctc tttcaagtag agactgtgtg tctatgtgct 240
 ttgtcgcgga gc 252

<210> 23981
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908654H1

<400> 23981

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 gagccaactc aacaacaacg ccgtgcctaa tccttaagaa taacgaatta caacaaccaa 120
 ccatgttgca ttgtctcaac acttctgtt cggacatcac agtcttgga agacaacggg 180
 aagcaaccat caagtgccag aaccaccaac caccctactt aacggacttt aacgccgtct 240
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<223> Clone ID: 700908655H1

<400> 23982

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 aacggaacca aagaagatca taattgatac cgaccctggc atcgatgatg ctatggcaat 180
 attccttgct ctacaatcac ccgaggttga agttattgga ctcacaacca tctttggaaa 240
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<213> Glycine max
 <223> Clone ID: 700908656H1
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 cgtagcctct tcgtcgagtt ccttccgacg agttcgacct tcccggctgg aacttccgaa 180
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 cgaagaaacc aggga 255

<210> 23984
 <211> 193
 <212> DNA
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 <223> Clone ID: 700908657H1
 <400> 23984
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<210> 23985
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 <223> Clone ID: 700908661H1
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 ccttcctcc ctctcaagga actcctcttc attcagagtt gtggccagtg gtggcaagaa 180
 gatcaagact gacaagcctt atggaattaa tgggtggcatg gctttgaggg aaggagttga 240
 tgcactctggc agga 254

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 <212> DNA
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<223> Clone ID: 700908662H1

<400> 23986

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 gaagaagcaa cccaagagaa aaaaccggag cttgagtcca aagaggaagt tgctgctgct 180
 gctgctgctc cgccaccgcc accgccaccg ccaccgcccg agattgtgct caaagtgttc 240
 atgcattgcg agggttgcgc 260

<210> 23987
 <211> 220
 <212> DNA
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<223> Clone ID: 700908663H1

<400> 23987

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 gacgcagcgg cggagcccca aacggtgcgt ttgacaccg gggggttgag cagagacacc 180
 tttcccaaag gattcttatt cggaacggcc acgtctgcgt 220

<210> 23988
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908667H1

<400> 23988

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 cctaagctga attggagtgc cccgaaagat tcagcttggg taagcacctc tggtagccctt 180

cgatgcatca gtttcagtga gattgcactt ttatttcgag catctgactc attggtccat 240
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<210> 23989
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 <212> DNA
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<223> Clone ID: 700908668H1

<400> 23989

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 cagatgtggg ccacatcggc ccagcctccg tcccagtcgg tggctcctcc gcaacccacc 180
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 tatctctaca cc 252

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 <212> DNA
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<223> Clone ID: 700908670H1

<400> 23990

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 ggggtgtgcct tttagatctt ttagtaggag tactcttgaa tgtactatgc agtaggttct 180
 ctgtgccctt agatcccaat ccagatcgg gttccaatcg cagaagtgtt ttcatgcgaa 240
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908671H1

<400> 23991

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cacgatcaaa tggatcact ntgccgatgg gatccctcga tcttcacctc gcacaagatt 180
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<223> Clone ID: 700908672H1

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tcattccggac ctccaactgt ggcaaatgct gtcccaagga caaggccatc aagagggttc 180
tggtgaggaa cattgttgaa caggctgcag tcagagatgt gcaggaagct tgtgtctatg 240
aacaatatac tcttc 255

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<223> Clone ID: 700908673H1

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gaaggagtaa taacaagttc tgggtccacta tttccttttc ccccgccgca aaggacaaga 180
agccccaaaa tcagggaat gggccgcaga agcccaagaa ggtcgccgga aagcccacta 240
acggcatcgg gaa 253

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<212> DNA
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<223> Clone ID: 700908634H1

<400> 23994

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caataaatga gagagaactg gtgttgatg gtggatttct gataacacag accaactcat 180
ttgggcacat gtttagggct tataatgatg ctgaaagtga gaggcataaa ggagtggaga 240
acttctacag aaaaaatcac 260

<210> 23995

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 700908589H1

<400> 23995

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gaaagtgcgc gtggtgaaaa agcatggctt ctacagctct gagacgaacc ttcggaagtc 120
gtttccttgc aaaccctagg gtcttctcct ccgctgcttc 160

<210> 23996

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700908594H1

<400> 23996

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ccaattgtct ggcacccctaa tactagagag cttacttgcg gtatctgttt tgaaaattat 120
cctcgtgcta ggattgaaat ggcttctgt gggcatccct attgtatctc atgttgggaa 180
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<210> 23997

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700908595H1

<400> 23997

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tgtgagtaaa aatgcagcac ctttacc 87

<210> 23998

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700908602H1

<400> 23998

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gaaaaaaaca aaaaggagca gatgggtagc tcagggttct catggaaatt ggcggatcat 120

ccaaagcttc cagagggtaa gactgtggct gttgtggtat tcgatggttg gggagaggcc 180

acacccactg agtacaactg cat 203

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<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700908603H1

<400> 23999

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ctaattttgc tcggaattac gcacttatgg tcagacttcg tggccctgac ccaaaagggt 120

tgaagatgag aaatcacgct tttcatcaat accgttcttg tgaaacaacc ctttcagctt 180

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ataactgtga ggatagggtg ttggt 265

<210> 24000

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700908604H1

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 atagcatggt ttcaacctct ccgagaatgc caggctgact atttccgtca tttgctcaaa 180
 cctgtgacgt aattgttttg ccttgattcg tctgggtggg ttaaaccggt tcttttattt 240
 gttttccttg ttcgtgaaac aaa 263

<210> 24001
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 <213> Glycine max

<223> Clone ID: 700908605H1

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 ttcttgggat gtgccccac tgactccatg gaaggcatgc ttcagttggt gaaatggagt 180
 tctgaacttt tcttgctagg aatatccaaa tacagccctt tcacttatgg gatttcaaga 240
 attcctattc cacaca 256

<210> 24002
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908606H1

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 cattgttggg tcagcttgaa aatgcttttt ccattaagga atcctcaatt tggatggaca 180
 gtagcaccac tgctgagtggt agggctatag agaaggcttt tgggggagcc ttggagttgg 240
 ctcgtgtcac gggatcacgt gc 262

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<223> Clone ID: 700908607H1

<400> 24003

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aatcgaaagt gcctggtgat tccgatgttgt gtttacatag gagttgtttg tgaaaaatgag 180
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<211> 261
<212> DNA
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<223> Clone ID: 700908608H1

<400> 24004

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agcactgagt taactcagag cgagtgaag tggtgctgct tgatgtatgg tggatcgcc 180
cgtggacgcc tcaccgagga ggcgaagtcg tggcggaaga aacatcccca tggttttgtt 240
gcgaaccgga gacgctgccc g 261

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<211> 257
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<213> Glycine max

<223> Clone ID: 700908611H1

<400> 24005

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gccctcaac atatcattga actctccttc cagtatactc atgattggaa gtaactctgt 120
taccgcagac cttcactacc ctctgctgct aatagttcaa cgccaaaatg gtccagacca 180

tcgctagagt tcacaaaatg taatctggat gcctcactct ttcgcaatta tcttcttcat 240
ggacttgggg catgcaa 257

<210> 24006
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<212> DNA
<213> Glycine max

<223> Clone ID: 700908612H1

<400> 24006

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cagatggaac cagatcattc ctaattctga tctgaagttt ggtcacccta gcaatattgt 120
tcttatctat gtctagtgtt tacccttttc tctgtgcctt ggcaaataag tagttttaca 180
atgtgtgtat ccttttatta actgggaagc taccgggtgat gttacattag taactttgta 240
acgtaaatat tacttttagta 260

<210> 24007
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908613H1

<400> 24007

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atggtgcaca atatgcatat ggggttggtg ctcttggcca ccagcttcat gctctgggaa 180
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atgagcggat ggggtgacac 259

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<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700908615H1

<400> 24008

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cgaagcaaca actgggttct gtctgaattt tgagataaga tggaatcgga tcttggaag 180
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aaatatgggg aggtgataga gact 264

<210> 24009
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 700908616H1
<400> 24009

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accccttctt tccatgctgc acctcacact cacaccatgc accacccctt ctctactaat 120
tctccaata atactaatta ctacccttcc caccctctcc aaattaccga aacaccctcc 180
caccatgata gagcccttgc tgccatgaag aaccacaagg aggctgagaa gagaaggagg 240
gagagaatca actccacct cgacca 266

<210> 24010
<211> 216
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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tcttcggtga caaggcagtc actgtttttg gacacagaaa ccctgaagag atcccatggg 180
ggccaactgg agctgacatc attgttgagt ccaccg 216

<210> 24011
<211> 263
<212> DNA

<213> Glycine max
 <223> Clone ID: 700908618H1
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 gagagggtac atgttcacca cctctgccga gcgggaaatt gttcgtgaca tgaaggagaa 180
 gcttgcttat gttgccttgg attatgagca agaacttgag actgcaaaga gcagttcttc 240
 agttgagaaa aactacgagc ttc 263

<210> 24012
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908619H1
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 tatcttgcca cgccaagcca tacagagcaa tgaaaatggt ggggttggtga tgagctatca 180
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<210> 24013
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908620H1
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 ccagaatct tacttgcttt ggtcactgct tggttacggc gaggtcgctg gtttgatgat 180
 caggaagag cattatatgc agctgaagca gaccgacttc gtaattgggc tgaagatcga 240

gcccgatTTTt ctttcacc

258

<210> 24014
<211> 260
<212> DNA
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<223> Clone ID: 700908622H1

<400> 24014

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acactcccac cggggccaaa agggTggcca gttgTgggtg cactccctct catgggaagc 180
atgcctcatg tcaccttagc aaagatggca aaaaaatatg gacctataat gtacctccaa 240
atggggcacta acaacatgggT 260

<210> 24015
<211> 260
<212> DNA
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<223> Clone ID: 700908623H1

<400> 24015

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ctgcgggtggc ctgggaaccc aacaagcccc taactgtcca agacgttcag gtggctccgc 120
ctcaggccgg cgaggtccgt gtacaaatcc tcttcaccgc tctctgccac accgatgctt 180
acacttgggg cggcaaggat cccgaaggTc tcttccctg tattcttggc catgaagctg 240
cagggattgt ggagagtgtt 260

<210> 24016
<211> 255
<212> DNA
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<223> Clone ID: 700908625H1

<400> 24016

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<223> Clone ID: 700908588H1

<400> 24019

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 gcgaattcag ttagatggct ccaaactcgg agctccatta aactgatctt ttattctgag 180
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<210> 24020

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700908632H1

<400> 24020

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 gcgagtgaag aggtgaaagc ttgagagcat ataaagcttg aggcctgatt tctgcgtttc 180
 tcggagaatt tggcttcaga aaagacggcc aaccagggga tttaggcctc cgggggttatt 240
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<210> 24021

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700908533H1

<400> 24021

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 ttgaatttct tggcaagttt acatcaacag tgaggcttaa ttggaagcat tggctcatct 180
 ctgtcgttat tg 192

<210> 24022

<211> 258

<212> DNA

<213> Glycine max
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 gagtgtgggt ttgcctgagg tgaaggaaga ccaggtcctc atcaaggctg ctgctgcttc 120
 ccttaacccc attgatcata agagaatgga aggctatttc aagaacagcg actccccctt 180
 acctactgct cggggttatg atgttgctgg agtggtggtt aaagtgggaa gtgaagtgaa 240
 gaaatttaag gttgggga 258

<210> 24023
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908536H1
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 tcctgaatta agaatcagaa agatgtgggg tatcttctgg gattttaaac acaaactatg 240
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<210> 24024
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 ctttgccaga cgctggaaaa gggaaaccca agaaactggg tgggtggtggc ggtggcggtg 180
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tcaaggca

248

<210> 24025
<211> 237
<212> DNA
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<223> Clone ID: 700908541H1

<400> 24025

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ccttctgccc tgcattccatt ttcacaatcc caatccacta aatatattaa atctaaacac 120
catcacactc ctagagtaca catgtaatag tggaaaccaa aacaaaggag aaaaaccaga 180
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<210> 24026
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700908542H1

<400> 24026

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ccccatcctc cccctcata tccatagcca tagcgggccc aagcccacaa aaactaaccc 180
atgcccttca gtgggcctcc aggcccaacc ctccccctc nctccccatc ctcaccg 237

<210> 24027
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700908544H1

<400> 24027

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cggaagtgag agcgaacgtg ggagcttccc agaacaaaat tcttgctgac ataagcaact 180

ttccccaaca accaaagcac cacatctctg ttgaccactt ctcaaggaaa ag 232

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<213> Glycine max

<223> Clone ID: 700908545H1

<400> 24028

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tcaggcagga tgagtaaaaa acaaagagag caaaatcact ttgtcctggg gcatgggtata 180
ggccatgggtg cctgggtgtg gtacaagctt aagccactgt tggaatccgc cggcc 235

<210> 24029
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<212> DNA
<213> Glycine max

<223> Clone ID: 700908546H1

<400> 24029

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tgcggttgag atgtttcagg tgaccacttt gctgagttag gcggagagat tggagaagga 180
gttggtgcag aatccacctc cgtcggaagc ggatgtggag gcggctaggg t 231

<210> 24030
<211> 232
<212> DNA
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<223> Clone ID: 700908547H1

<400> 24030

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attggagagc ctattgatga caaggagaa atcaataccg agcattattt gccattcat 180

agagaagctc ctgcttttgt tgagcaagaa accgcacagc agattcttgt ta 232

<210> 24031
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<223> Clone ID: 700908548H1

<400> 24031

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atgcaacaga actgatcatc tcaatatatg cactgaaaag tggaatgaca cgcgttggtcc 120
agctctcttt gctgggttca attttgtcca atatgttact ggtgcttggg tgtgcattct 180
tatgtggtgg gattgttaat cacgagaagg agcaagtgtt taactaggca gcta 234

<210> 24032
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908551H1

<400> 24032

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cagttgcata acagttcctt gtgtcaatct atacttttta atttgcctat ggtagacata 180
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tgatga 246

<210> 24033
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700908552H1

<400> 24033

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ctcgaagatc tcttcaccac gctcaaccgc cacatccagg cttccgcata cgccaatgcc 180
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<210> 24034
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<223> Clone ID: 700908553H1

<400> 24034

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ttcctgtaac tggtttgaag acaccattcc gagacggttt gctgaagcat gttgctgaag 180
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tgaat 245

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<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700908554H1

<400> 24035

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<210> 24036
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<212> DNA
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<223> Clone ID: 700908555H1

<400> 24036

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<210> 24037
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908556H1

<400> 24037

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 tgggtcttct tcattcttgg cgccagaaat tcccgcaag gtgtggcaac cgggtgtgga 180
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<210> 24038
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 <212> DNA
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<223> Clone ID: 700908558H1

<400> 24038

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 cgggacgagg aggagcgtcc caaggttgcc tacaacgaat tcagcgacga gatcccagtg 180
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<210> 24039
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 <212> DNA
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<223> Clone ID: 700908564H1

<400> 24039

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 aacctcagtg gtgccacatg gccagctcca tctgcctcta gccctgctc cttcaatact 180
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<210> 24043
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 <212> DNA
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<223> Clone ID: 700908574H1

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 tctcgtcgtt ccagtgaaga gttccgtttc agtcatacga ccttgcatga gaattgatgg 180
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<210> 24044
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 <212> DNA
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<223> Clone ID: 700908578H1

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 cgcttcaagc tcgaccctgt ttgccacct tttctgtctc atttccagg aggagactat 180
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<210> 24045
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 <212> DNA
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<223> Clone ID: 700908580H1

<400> 24045

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 atgatcttgt caagagagga gttgccgtta aggatccatc tgcttcccat ggagttcggc 180
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<210> 24046

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700908532H1

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 tgatcaagca ctgcccaatg atcttgtcaa gagaggagtt gccgttaagg atccatctgc 180
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<210> 24047

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700908585H1

<400> 24047

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 ctatggaaag ctatgtgtct cacttgcaaa aacagagctt catcacgaac ttgcaagcgt 180
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ccagaagtgg gaagggtag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180
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<223> Clone ID: 700908491H1

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tggtgtggc tgaggccaaa gagattggag agagcattaa gggcacagg ccttcaggg 180
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<210> 24050

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<400> 24050

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cttgaagaac ccaccaagcc cacctgcaat acccataata ggtcatctcc acctccttaa 180
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<223> Clone ID: 700908496H1

<400> 24052

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 gtgttagaat gaaagatgat tatgaatatg aggaagctat gctcatgctc tgtacttcag 180
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<223> Clone ID: 700908501H1

<400> 24053

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caaaggcgtc atctactagt aatcacgtgt tcctgcaata gaagctgcag agccagggga 180
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<223> Clone ID: 700908506H1

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<223> Clone ID: 700908508H1

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<210> 24056
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<223> Clone ID: 700908509H1

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<223> Clone ID: 700908510H1

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g 241

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<223> Clone ID: 700908511H1

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<223> Clone ID: 700908513H1

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 ctttcctgac aactgcacat cacttgtttc tcttaatttt gcttgcccta aaggagaggt 180
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 <223> Clone ID: 700908515H1
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<210> 24062
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 <223> Clone ID: 700908516H1
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 gctggttagct ttgtaccaag actttgaaat aacgtggggg ggtgagcgtg ccaaatac 237

<210> 24063
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<223> Clone ID: 700908517H1

<400> 24063

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<223> Clone ID: 700908518H1

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<223> Clone ID: 700908520H1

<400> 24065

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002220-ET1850

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<223> Clone ID: 700908521H1

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 gacgtcaagc ccattctcga cgcagctttc caaaaccagg atgcagtaac tgcattttca 180
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<223> Clone ID: 700908522H1

<400> 24067

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<400> 24068

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<210> 24069

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700908524H1

<400> 24069

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<210> 24070

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700908527H1

<400> 24070

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<210> 24071

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700908528H1

<400> 24071

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gcaactgttca tcaaaacggc gtcgctgtca tcaccctcga tcgccccaaa gctctcaacg 180
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<210> 24072

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: 700908529H1

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<210> 24073

<211> 235

<212> DNA

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<223> Clone ID: 700908530H1

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<210> 24074

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<212> DNA

<213> Glycine max

<223> Clone ID: 700908486H1

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 accgagcaga ttcaaaaata cttgatgag aacaagaagc tgattctggc aatattggac 240
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<400> 24075

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 aattttgttg atgacctgg cctcctcagc cataagtctt ccaaagatga aacactactt 180
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<210> 24076
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<223> Clone ID: 700908447H1

<400> 24076

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<223> Clone ID: 700908449H1

<400> 24077

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<210> 24078

<211> 258

<212> DNA

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<223> Clone ID: 700908451H1

<400> 24078

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accaccaatt gtgaaccctc cctatgtccc aaaaccgctt gttgtgccag ttacaccacc 180
ttatatccct aaaccaccag ttgtgacacc accatattgtc cctaaaccac cagtgggtgcc 240
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<210> 24079

<211> 257

<212> DNA

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<210> 24081
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<400> 24081

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<210> 24082
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<210> 24084
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<223> Clone ID: 700908457H1

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<212> DNA
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<223> Clone ID: 700908458H1

<400> 24085

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<223> Clone ID: 700908459H1

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 tcaattggcg gtgtagagga agaggagcaa tctccagaac cgcacaagtc ggaggagtct 180
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<223> Clone ID: 700908460H1

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 gaggtctcaa aaacgtggtc acaatgttta ctttcattgt ggccttggtt gttgttcaac 180
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<212> DNA
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<223> Clone ID: 700908464H1

<400> 24091

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gtgttagaat gaaagatgat tatgaatatg aggaagctat gctcatgctc tgtacttcag 180
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<210> 24092
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908465H1

<400> 24092

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attggatctg gaggccagta taaatattat ttcaatattg gaagtgttga gtcttttgag 120
gagaagctag aggaagcgca agaagctctg ggcatttact ctcatgattt tgtgcctgtc 180
acatattctt ttgaactggg gtaccgggaa tggattacgt tggcttcaat actgttgctt 240
ttgggatttc tcgtgt 256

<210> 24093
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908468H1

<400> 24093

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agtttctgtg gttcatcttt cttcttctta atctttcccc cctctctgt aacatccgc 120
ttctctgtat ccctttctgc taatcatctg tctttcaagc taagattttc tggtttgtct 180

tttaattcac caaaaagcaa acttagaagg atttttcgaa agccaggtgt tttcagaaac 240
gagatccagg ttt 253

<210> 24094
<211> 121
<212> DNA
<213> Glycine max

<223> Clone ID: 700908469H1

<400> 24094

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t 121

<210> 24095
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700908475H1

<400> 24095

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taccagccta aaaaaatggg cacaattata tggttaacttc tataaacct caaggtattt 120
ggaagaaaga gcaactcaaag gaattcctct gagtgcacct gttcatcta ctccaaagtc 180
aatggcgcgt ctatgagaaa gccaatgtt cagcatgttg gatgttctac aataaaaaaa 240
tgtaacaa 248

<210> 24096
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908477H1

<400> 24096

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tactctataa atagcatttg catgcacctt agtcttcacc aaaatactcc tcttggcatc 120

ttgtgttggtg tccctctttt aagctatttc cttctcttaa cacaattggt tgtgcccaatt 180
gccatagtc ccaaccaatt aacaaaggta tatatatcat catatcatca ccaaatgaaa 240
aatatt 246

<210> 24097
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700908479H1
<400> 24097

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cactctgggc aagtagtcac tattcactct ctattcgggc agaagcaatc ctaattcctt 120
aatggagagt tctgaagacg aaaatgatgg agtctctggg aatcatgcta ctaaggaact 180
gattcattta gcatctaag gggcaaaatt tatagatgaa gtactcaatg gtcaaaatga 240
atgct 245

<210> 24098
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700908480H1
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ttgacactcg ctgatcatatc ttgcaagcaa gccccatcc aatagcaatg ccacctcaaa 120
tcaacctttt agcatctcca agtccttcac tatttatttt atttatgttc tctttgcttt 180
gattgccttc tgggggtgtt ctgtagtggt ggaaatataa aggtggagtg tggacttta 240
aaggg 245

<210> 24099
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700908482H1

<400> 24099

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gcatttgaac gatgatgggtg agctgaagtg gaacaacagg gttgcaggac atggacactg 120
gtatgggttgc cgcagctcgt tggattaaga agcactgcac cactatacta cttgaagatc 180
tttgtcgaca ccccgatttc cagctcaagc tgcctccgta tcattggagt tagcagaatt 240
cgggaag 247

<210> 24100

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908485H1

<400> 24100

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agcgaaaatg gcggtatccc tagcgacgag gtcctgtcgg cggcgatcgc caccgcttct 120
ctggcggcgc acttttctat gtcggcagtg gacgcgaaa aggaagtcgt ggtcgtgccg 180
gagcttccac cgttcgatta ctccccgcgg ccatatgcgg gccccaccgc tgaggagatt 240
ctggcgaacg 250

<210> 24101

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908445H1

<400> 24101

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cgttcatgct attcataaag atcattatct agaaaaagat ggcggctgag ctagtcaatg 180
gtgcaacaag cgagaagctg gctgaaactg attggacaaa aatattgaa atttgtgagc 240
tagttgctca 250

<210> 24102
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908410H1

 <400> 24102

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 agtgtaatga ctttgtcagc agcaacattt gcattttggt atttttagg atcacacata 180
 tttctgatg ttttgc tcaa cgatattgct ggcccagaag gagatccttt gttgttgagt 240
 ttaaaactat ccgtagatgt 260

<210> 24103
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908412H1

 <400> 24103

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 acctccgctt tctcattctt ctctctctct tgtccatcac ttccgccaag gtcttcttcg 120
 aggagcgttt cgatgacgga tggggaaatc gttgggttaa atcagattgg aaaaaagatg 180
 agaacctggc tggggagtgg aaccacacct ctggccaatg gaatggagac gctaacgaca 240
 aaggtattca aacc 254

<210> 24104
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908413H1

 <400> 24104

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 agaattttcc tagaatatta agcaggagag tttgggtccaa tttttatttt ggtttgcatt 120
 tcctctcgtg aagttgttgt ttattttttc ttacaaattt tagtgagacc aatgcagtaa 180

caatagtctc tgttaagttc taactggtaa gggctcttgaa gttgatttcc taatttattt 240
 ggtaagggtga tgt 253

<210> 24105
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908414H1
 <400> 24105

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 attgaaaagg gattgctctt ggcttcttgc ac 92

<210> 24106
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908416H1
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 ggaagaagag gaagatcttc cggcaagtgt tctggtgctt agtgggtgttc cttttcatcg 120
 tgctggtcac aattcttttg atatgggcaa tcttagacc caccaaacc accttcacgc 180
 tccaagacgt caccgtctac gccttcaacg ccaccgtggc gaacttctc acttcgaatt 240
 tttcggtcac gctc 254

<210> 24107
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908417H1
 <400> 24107

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 tagtgcccca gttggtagaa gagcctatgg aggcactta agcagaaagt gctttcaaaa 120
 gcaacttcac ttccactcac gttgtgttag tttctcttca ttcatatgtt ctgcaactat 180

atcagtgatg ccagaattag aagagaagca agtgtttgat ggagagaagg ctaatttgct 240
 agttaagat ctcagaaaga gc 262

<210> 24108
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908418H1
 <400> 24108

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 ccggaaaaat aaaaaaggaa taacaaaaat gtctggaaag gtaattatct cggctgtttc 120
 tctcatcctg gtgggtggag tggccatagg tgtggtggtg gccgtcaaca agaagggcga 180
 ggatcccaca cttcaatctc aacaaaaatc agtaggggtt atctgccaaa aactgatga 240
 ccagaagctc tgccacgaaa c 261

<210> 24109
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908419H1
 <400> 24109

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 aaagggttttc cgcacaaaa tcgaattttg tttgctccat catcaccatg ggtagaatca 180
 cgaaactggg ttttcttctt ctaccagat aagtaaaagg gtttcttctt ttctcattta 240
 ttccgacaag tgcacaaata aca 263

<210> 24110
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908420H1
 <400> 24110

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 cttaaacacg ggattagttt tatatatagc aatactattt atttataacg tctatttact 180
 cattgttttg aaagagattt ttattcttcc actatgtttt tgggtgcccc agaaaaaaat 240
 tctgggtgct cctagtaaca cc 262

<210> 24111
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908421H1

<400> 24111

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 cctatgatga agatctcaag acagtgggtc ctgcacctgc tccaccagtg aaggcaccaa 180
 ctctgcctc tccagtga aa tcaccatctt accctccagg gtcagtgacc acaccaactg 240
 ttaaggtgcc cctcctcct cag 263

<210> 24112
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908422H1

<400> 24112

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 aaaagcaacg tgcgacttga aagacatgat tagattagct gtggattctt acatccgcca 180
 ttttttctag tatatagaaa tgaacatgct cttgactcga catcgtttgt tctgttccac 240
 tagaacttat tgttttgggg 260

<210> 24113
 <211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908423H1
 <400> 24113

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 gattctaagc acctagtgtt ggctcacctt ttgacaagc catgcttttt agggttgctt 180
 gcagtgcagg ctaatgacat agctgattta catgctaata cacatatccc aattgttggtt 240
 ggatctcaaa tgcggtatga a 261

<210> 24114
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908425H1
 <400> 24114

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 ctctgggaat ctctaacata ctgcactgcc ccaaattgag tttctcccac aataattttc 120
 tccccaaagt tccaacctct atcagcctca gggttcccca gacagcagca tggagtgata 180
 gaaagattat ctgtgctgct gcctctgcgg caggaagctc taatcccgat ggtgaattta 240
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<210> 24115
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908427H1
 <400> 24115

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 ctccacggcg cagatccgag gagtttgga aaccctaatt cattcctctt tgcttcttct 120
 atctctattc ctctaacc agtgatggca gggttggtc cagaaggatc gcagtttgat 180
 gctcggcaat atgattctaa gatgaatgaa ttgctttccg ccgatggaca agaatttttc 240

acttcatatg acgaa

255

<210> 24116
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908430H1

<400> 24116

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 accaaattat tctgctagct agctagtacg tcaaataaaa taaaataatc aaatatggca 120
 ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt tgcgaagggt 180
 ttatctgccg atggagctgc ttatcacaag aactgcttca gatgcagcca ttgcaatggc 240
 cttcttgcca 250

<210> 24117
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908431H1

<400> 24117

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 actagtagat taaacgcaa agaaataaat tactcacttt cacgtaaacc ataacgtgct 120
 tccaccgcaa ccaaccacta tgggtgccgt taggtccata acggtgttgc tactagtgtt 180
 attcatggcc atgagctccg gcgtgcgctc gtgtccgccg tcggacaggg cggcgctgct 240
 ggcattcaag gc 252

<210> 24118
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908433H1

<400> 24118

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gtcttaaggt tggaagaggt tcagacttca aaagccgaag ttaacaaggc aactacacag 120
gccttggtga tcattgtctc catgctgcag ctgggtcaat cttcaattct tccacatcca 180
attgataatg attcttttga caggattgtc ctctgcatta gattgttgtg caataccggt 240
gatgagataa gaaaaata 258

<210> 24119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908436H1

<400> 24119
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gaaccccacc gtggggggagc aggacgagca gaacttggtg ctccagtacc acaaaggcgc 120
gctcctcaag gggaggatca ccgttaacct gttatggtac ggcagcatca cccaatcca 180
acgctccaca atcgttgact tcataaagtc gttaagctcc tccccggggg ccccaacttc 240
ctcggtggca tgggtggtgga 260

<210> 24120
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908437H1

<400> 24120
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gctgaattac tactctaaaa gctgccccaa agctgaagag atcatcaagg aacaagtcac 180
acaactatat aacaagcatg gaaacactgc cgtttcgtgg gtcagaaatc tcttccacga 240
ttgcgtggtt aagtcatgc 259

<210> 24121
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700908439H1

<400> 24121

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tcaccagtgt tgacgggatc gtcggcaccg gcttagactt cttaggcagt gcaactcgata 180
cagttacttt tttagcctcc tccatctcca tccaacttat tagtgctacc aaggctgatg 240
gtgggaaagg aaaagttg 258

<210> 24122

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700908440H1

<400> 24122

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cacagtttgc tactagggtg actggtatta aagagaatac taaatttcaa aagaaattac 120
agaacaatga gcagatgtca ggtctgaagc atctagtaca tggagcaaag cagcatcaca 180
atgtgaaaaa tgtatatgta tggcatgcac tagctgggta ttgggggtgga gtgaagccag 240
cagcaaccgg catggaac 258

<210> 24123

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908441H1

<400> 24123

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catggaggtt ggctcaaca agaaggagaa catgggggtt gaggaaactg agctaaggct 120
tggactgcct ggaaacgtag gaggcactgg cactgaagaa gtgctcatca ggaagagagg 180
tttctctgag actgaaactg aaactgagga ggatgagtct gctaccactg tggatttgat 240
gcttaatctt tcttcta 257

<210> 24124
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908442H1

<400> 24124

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 aaaggaagca attatcaagg aggggactac ggaaatagaa atggaaggaa ctcgtagaaa 180
 agaggggaacc ctaccaccgg gatttcgatt tcacctact gatgaagaac ttgtcacttg 240
 ctatctcgta aataag 256

<210> 24125
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908443H1

<400> 24125

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 cctaaccagt aaaaatgggtg accgtggagg aaatccgcaa cgctcagcgt tcccatggac 180
 ccgccaccat cttggccttc ggcaccgcca cgccgtccaa ctgctgtctcc caagccgatt 240
 accctgacta ctac 254

<210> 24126
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908408H1

<400> 24126

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ctatgggtttt ttaatatattg gatccaccat tectctttttt ggtgtcatca ttatcatcat 180
 tgtaatctaa ccaatactat aatgctttgc ttgttttgc taccctcttt cctctcctgt 240
 catagcctct ccatcaaag atca 264

<210> 24127
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908367H1
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 tctcaaaggg tccacaatcg cacaatttgt gaactgctca cgggataaaa tggaatgccc 180
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 cattgagtt 249

<210> 24128
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908369H1
 <400> 24128

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 ccaatctcca tttggcttct ccagaaaagc ctcccttctt gttaaggcag ctgctacccc 180
 ccctgtcaag caaggatcag acagaccttt gtggtttgca tcaaagcaaa gtctttctta 240
 cttggatggc 250

<210> 24129
 <211> 250
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 <223> Clone ID: 700908370H1

<400> 24129

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 agatcttaat ataagcttga tttggccggg aaaagatcca actttggggg ttgatagtgt 120
 aggcaagata tcatctgctc ttgtaacgta tgctgctatt caagcattac aaccagactt 180
 gatcatcaat gcaggcactg ctggtggctt caaggccaaa ggagctagta ttggtgatgt 240
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<210> 24130

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700908371H1

<400> 24130

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 aagcacaaaa gctaggaggc tactgtgcct ttgttgatgc tgagcatgca cttgataaga 120
 cacttgcaga gtcaattggg ttagatacta agaacttgct tctctcacia cccgattgtg 180
 gtgaacaagc acttagcctt gtggatacct taatccggag tggttcagtt gatgcaattg 240
 ttgttgata 249

<210> 24131

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700908372H1

<400> 24131

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 gaaagattat gtcaataagt ttaatgtaac aactattaca tgaaaactgg gaccctaaat 120
 aaaatattct acccattgaa tttgtttaag tggtatgtat gtgatgcatt tttttttaca 180
 catgtagatt ttgatactg gatcgcttga gggcttacat gcgtcatttc aagtgcgtaa 240
 tgttcaagtt ta 252

<210> 24132
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908375H1

<400> 24132

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 tatcagttgc agtattaaag aggcttatcc gtcagaatgg tttccgcgga gaaagattcc 120
 aatgaaactc atcgaaccat catcggaag tccatgcgaa cggtagcgtc caaaatattc 180
 cacacaacat a 191

<210> 24133
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908377H1

<400> 24133

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